

**CITY OF EDGEWATER,
FLORIDA**



**WATER, WASTEWATER,
SOLID WASTE, AND
STORMWATER
UTILITY RATE STUDY –
FISCAL YEAR 2018 UPDATE**

August 6, 2018



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



Public Resources Management Group, Inc.

Utility, Rate, Financial, and Management Consultants

August 6, 2018

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 2018 Update**

Ladies and Gentlemen:

Public Resources Management Group, Inc. ("PRMG") has completed our update of the Fiscal Year 2018 Rate Study of 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, 2017 through September 30, 2023 (the "Forecast Period"). An operational review of the City's solid waste system was also undertaken concurrently with the rate study in order to provide recommendations for potential operational changes that could reduce costs and improve operational efficiency. Based on the results of this review the recommended changes could provide cost savings that could affect the proposed solid waste rate plan set forth below. 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 2019 through 2023.

Summary of Previously Adopted and Proposed Rate Adjustments

Description	Fiscal Year Ending September 30,					
	2018	2019	2020	2021	2022	2023
Adopted/Previously Recommended Rate Adjustments (Resolution No. 2017-R-24):						
Water and Wastewater Systems	9.0%	9.0%	9.0%	9.0%	9.0%	N/A
Solid Waste System	9.0%	9.0%	9.0%	9.0%	9.0%	N/A
Stormwater System	11.1%	0.0%	0.0%	2.4%	2.4%	N/A
Proposed Rate Adjustments:						
Water and Wastewater Systems	N/A	9.0%	9.0%	9.0%	3.0%	3.0%
Solid Waste System	N/A	6.0%	6.0%	6.0%	6.0%	3.0%
Stormwater System	N/A	10.0%	13.6%	8.0%	7.4%	6.9%

As can be seen above, the proposed rate adjustments differ from those presented in the previous rate study. This is due to changes in certain cost and capital investment assumptions that reduced the projected rates for the water and wastewater and solid waste system while increasing

projected rates for the stormwater system. 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:

- 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 or forms and avoid potential rate shock.
- 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.

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Honorable Mayor and Members of the City Council
City of Edgewater
August 6, 2018
Page 3

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
Senior Vice-President and Principal



Shawn A. Ocasio
Rate Consultant

HLT/sao
Attachments

CITY OF EDGEWATER, FLORIDA

**WATER, WASTEWATER, SOLID WASTE, AND STORMWATER
UTILITY RATE STUDY – FISCAL YEAR 2018 UPDATE**

TABLE OF CONTENTS

Title	Page No.
Letter of Transmittal	
Table of Contents	i
List of Tables	iii
SECTION 1 – WATER AND WASTEWATER SYSTEMS.....	1-1
Customer Growth and Revenues.....	1-1
Operating and Maintenance Expenses	1-1
Capital Improvement Plan.....	1-2
Existing and Proposed Debt.....	1-2
Transfers.....	1-2
Cash Balances	1-2
Conclusions and Recommendations	1-3
Rate Comparison.....	1-4
SECTION 2 – SOLID WASTE SYSTEM	2-1
Customer Growth and Revenues.....	2-1
Operating and Maintenance Expenses	2-1
Capital Improvement Plan.....	2-2
Existing and Proposed Debt.....	2-2
Transfers.....	2-2
Cash Balances	2-2
Conclusions and Recommendations	2-2
Rate Comparison.....	2-4

CITY OF EDGEWATER, FLORIDA

**WATER, WASTEWATER, SOLID WASTE, AND STORMWATER
UTILITY RATE STUDY – FISCAL YEAR 2018 UPDATE**

TABLE OF CONTENTS (cont'd.)

Title	Page No.
SECTION 3 – STORMWATER SYSTEM.....	3-1
Customer Growth and Revenues.....	3-1
Operating and Maintenance Expenses	3-1
Capital Improvement Plan.....	3-2
Existing and Proposed Debt.....	3-2
Transfers.....	3-2
Cash Balances	3-2
Conclusions and Recommendations	3-3
Rate Comparison.....	3-4

CITY OF EDGEWATER, FLORIDA

**WATER, WASTEWATER, SOLID WASTE, AND STORMWATER
UTILITY RATE STUDY – FISCAL YEAR 2018 UPDATE**

LIST OF TABLES AND APPENDICES

Table No.	Description
1-1	Summary of Historical and Projected Water Accounts and Sales
1-2	Summary of Historical and Projected Wastewater Accounts and Billable Flows
1-3	Summary of Historical and Projected Wastewater Accounts and Billable Flows
1-4	Summary of Projected Water Rate Revenues Under Existing Rates
1-5	Summary of Projected Wastewater Rate Revenues Under Existing Rates
1-6	Summary of Historical and Projected Reclaimed Water Rate Revenues
1-7	Allocation of Fiscal Year 2018 Operating Budget
1-8	Allocation References
1-9	Projection of Water System Operating Expenses
1-10	Projection of Wastewater System Operating Expenses
1-11	Projection of Combined Water and Wastewater System Operating Expenses
1-12	Summary of Projected Escalation Factors
1-13	Capital Improvement Program Funding Plan
1-14	Summary of Existing and Proposed Annual Debt Service Payments
1-15	Projection of Renewal and Replacement Fund Transfers
1-16	Projection of Charter Reserve Fund Transfers
1-17	Projection of Operating and Other Transfers
1-18	Projection of Ending Cash Balances and Interest Income
1-19	Projection of Water System Revenue Requirements
1-20	Projection of Wastewater System Revenue Requirements
1-21	Projection of Combined Water and Wastewater System Revenue Requirements
1-22	Projection of Debt Service Coverage Compliance
1-23	Comparison of Typical Monthly Residential Bills for Water Service
1-24	Comparison of Typical Monthly Residential Bills for Wastewater Service
1-25	Comparison of Typical Monthly Residential Bills for Combined Water and Wastewater Service
2-1	Projected Collection Revenues Under Existing Rates
2-2	Projected Solid Waste System Revenue Under Existing Rates
2-3	Fiscal Year 2018 Operating Budget
2-4	Projection of Solid Waste Operating Expenses

CITY OF EDGEWATER, FLORIDA

**WATER, WASTEWATER, SOLID WASTE, AND STORMWATER
UTILITY RATE STUDY – FISCAL YEAR 2018 UPDATE**

LIST OF TABLES AND APPENDICES (cont'd.)

<u>Table No.</u>	<u>Description</u>
2-5	Summary of Projected Escalation Factors
2-6	Capital Improvement Program Funding Plan
2-7	Summary of Debt Service Payments – Sinking Fund Basis
2-8	Projection of Interfund Transfers
2-9	Projection of Ending Cash Balances and Interest Income
2-10	Projected Solid Waste System Revenue Requirements
2-11	Projection of Debt Service Coverage Compliance
2-12	Comparison of Monthly Residential Collection and Disposal Bills
3-1	Summary of Historical and Projected Stormwater Accounts
3-2	Summary of Projected Stormwater Rate Revenues Under Existing Rates
3-3	Projection of Other Operating Revenues
3-4	Fiscal Year 2018 Operating Budget
3-5	Projected Stormwater System Operating Expenses
3-6	Summary of Projected Escalation Factors
3-7	Capital Improvement Program Funding Plan
3-8	Summary of Debt Service Payments - Sinking Fund Basis
3-9	Projection of Operating and Other Transfers
3-10	Projection of Ending Cash Balances and Interest Income
3-11	Projected Stormwater System Revenue Requirements
3-12	Projection of Debt Service Coverage Compliance
3-13	Comparison of Monthly Residential Stormwater Rates
<u>Appendix No.</u>	<u>Description</u>
1	Water and Wastewater System Financial Dashboards and Performance Metrics
2	Solid Waste System Financial Dashboards and Performance Metrics
3	Stormwater System Financial Dashboards and Performance Metrics

SECTION 1

WATER AND WASTEWATER SYSTEMS



CITY OF EDGEWATER, FLORIDA

**WATER, WASTEWATER, SOLID WASTE, AND STORMWATER
UTILITY RATE STUDY – FISCAL YEAR 2018 UPDATE**

SECTION 1 – WATER AND WASTEWATER SYSTEMS

CUSTOMER GROWTH AND REVENUES

Projected revenues from rates for the water and wastewater system were based on the schedule of water, wastewater, and reclaimed water rates and charges reflected in Resolution No. 2017-R-24, which contains adopted rates for Fiscal Years 2018 through 2022. In order to calculate projected revenues from rates for the Forecast Period, the existing rates were applied to projected billing statistics. Based on revised growth projections discussions with City staff, this analysis recognizes an average growth in customers of approximately 0.27%, 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 \$9.8 million to \$13.6 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 \$606,000 per year and interest earnings on unrestricted fund balances are estimated to average approximately \$19,000 per year.

OPERATING AND MAINTENANCE EXPENSES

The Fiscal Year 2018 amended 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 2018 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 \$10.6 million being adjusted down to approximately \$6.7 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 \$73,000 and \$30,000 annually, respectively. Operation and maintenance expenses are projected to increase over the Forecast Period by an annual average of approximately 4.10% per year above Fiscal Year 2018 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 – a reduction of 24% in Fiscal Year 2019, followed by a 10.0% increase per year thereafter

3. Consumer Price Index (CPI) – Average of 2.4% 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 2018 - 2023 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 \$37.3 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, impact fees, 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 \$2.7 million over the Forecast Period. Payments for the proposed senior lien debt, which represents a 40% allocation of the debt service proposed for the public works building project, are projected to begin in Fiscal Year 2021 and will be approximately \$348,000 annually. Payments for the proposed subordinate lien debts that will finance reclaimed line extensions, lift station rehabilitations, wastewater treatment plant sludge dewatering, and water treatment process upgrades are projected to begin in Fiscal Year 2021 and will be approximately \$428,000, increasing to approximately \$849,000 by 2023. 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 5.0% 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 \$671,000 annually (starting at \$588,000 in 2018 and increasing to \$812,000 by 2023), 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 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 \$340,000 per year for five

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 build slowly over time from the 45-day level to about the 90-day level over 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 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 rate increases adopted by Resolution No. 2017-R-24 will be more than sufficient and certain reductions to the previously projected rate adjustments are recommended to meet the needs of the system, as shown on Tables 1-19 through 1-22. 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,					
	2018	2019	2020	2021	2022	2023
Adopted/Previously Recommended Rate						
Adjustments (Resolution No. 2017-R-24):	9.0%	9.0%	9.0%	9.0%	9.0%	N/A
Proposed Water and Wastewater Rate Adjustments	N/A [1]	9.00%	9.00%	9.00%	3.00%	3.00%
System Revenue Surplus / (Deficiency) [2]	\$36	(\$152,675)	\$339,052	\$358,059	(\$34,653)	\$105,704
Operating Fund (Ending Balance) [3]	\$1,472,492	\$1,193,742	\$1,821,465	\$2,367,552	\$2,709,933	\$3,226,116
Days of Cash (Target of 45-90 Days of Rate Revenue) [3]	55	41	57	68	75	87
Renewal and Replacement Fund (Ending Balance) [3]	\$868,548	\$578,113	\$615,536	\$452,490	\$930,530	\$1,431,133
Charter Reserve Fund (Ending Balance)	\$340,219	\$680,439	\$1,020,658	\$1,360,877	\$1,701,097	\$1,701,097
Capital Reserves (Ending Balance) [4]	\$1,292,979	\$998,140	\$1,031,153	\$3,957,695	\$1,337,317	\$1,833,498
Senior Lien Debt Service Coverage (Test 1.00)	1.19	1.25	1.30	1.25	1.22	1.21
Subordinate Lien Debt Service Coverage (Test 1.15)	6.47	7.99	9.41	5.00	3.84	3.53
All-In Debt Service Coverage (Target 1.50)	1.72	2.01	2.49	2.44	2.30	2.23

[1] Rates were adjusted at the beginning of Fiscal Year 2018 by 9.0% for the water and wastewater systems.

[2] As shown in Table 1-21.

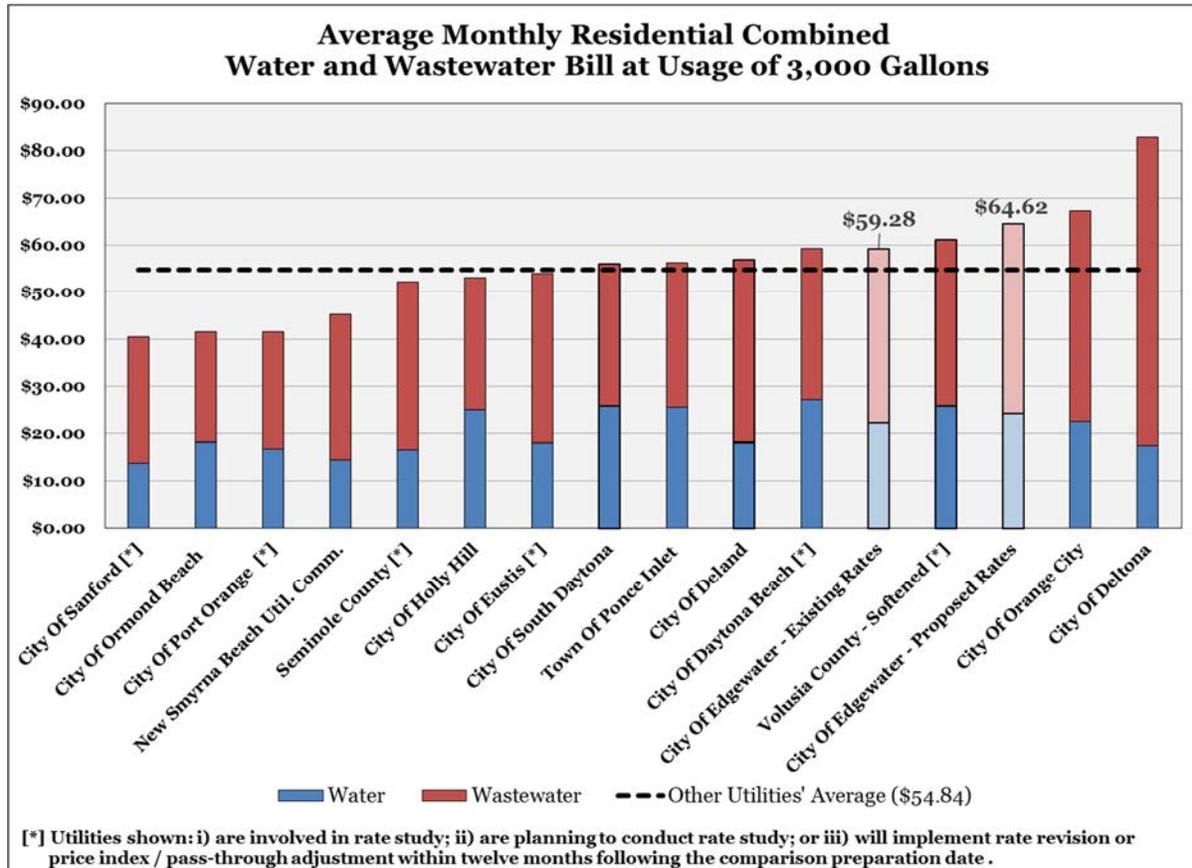
[3] As shown in Table 1-18.

[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 2019 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
INSIDE THE CITY											
<u>Residential Single Family</u>											
1	Base Charge Revenue	\$1,050,769	\$1,110,273	\$1,183,425	\$1,256,190	\$1,335,565	\$1,338,985	\$1,342,405	\$1,345,825	\$1,349,245	\$1,352,665
2	Usage Charge Revenue	1,419,631	1,474,426	1,581,633	1,712,696	1,820,178	1,824,833	1,829,489	1,834,145	1,838,801	1,843,457
3	Total Residential Single Family	\$2,470,400	\$2,584,700	\$2,765,058	\$2,968,886	\$3,155,742	\$3,163,818	\$3,171,894	\$3,179,970	\$3,188,046	\$3,196,122
<u>Residential Multi Family</u>											
4	Base Charge Revenue	\$50,136	\$55,047	\$58,026	\$61,667	\$61,667	\$61,667	\$61,667	\$61,667	\$61,667	\$61,667
5	Usage Charge Revenue	60,476	64,857	64,312	38,210	40,067	40,067	40,067	40,067	40,067	40,067
6	Total Residential Multi Family	\$110,611	\$119,903	\$122,339	\$99,876	\$101,734	\$101,734	\$101,734	\$101,734	\$101,734	\$101,734
<u>Commercial</u>											
7	Base Charge Revenue	\$110,642	\$112,645	\$122,608	\$134,662	\$143,171	\$143,855	\$144,539	\$145,223	\$145,907	\$146,591
8	Usage Charge Revenue	195,824	208,782	223,126	300,750	319,819	321,609	323,399	325,189	326,979	328,768
9	Total Commercial	\$306,466	\$321,427	\$345,734	\$435,411	\$462,990	\$465,464	\$467,938	\$470,412	\$472,886	\$475,359
Total Inside the City Water Revenues											
10	Base Charge Revenue	\$1,211,546	\$1,277,965	\$1,364,059	\$1,452,518	\$1,540,402	\$1,544,506	\$1,548,610	\$1,552,714	\$1,556,818	\$1,560,922
11	Usage Charge Revenue	1,675,931	1,748,065	1,869,072	2,051,655	2,180,064	2,186,510	2,192,956	2,199,401	2,205,847	2,212,293
12	Total Inside the City Water Revenues	\$2,887,477	\$3,026,030	\$3,233,131	\$3,504,173	\$3,720,466	\$3,731,016	\$3,741,566	\$3,752,115	\$3,762,665	\$3,773,215
OUTSIDE THE CITY											
<u>Residential Single Family</u>											
13	Base Charge Revenue	\$105,878	\$109,789	\$115,105	\$123,076	\$130,487	\$130,487	\$130,487	\$130,487	\$130,487	\$130,487
14	Usage Charge Revenue	126,871	135,561	142,695	169,073	179,236	179,236	179,236	179,236	179,236	179,236
15	Total Residential Single Family	\$232,749	\$245,349	\$257,800	\$292,148	\$309,723	\$309,723	\$309,723	\$309,723	\$309,723	\$309,723
<u>Commercial</u>											
16	Base Charge Revenue	\$2,102	\$2,370	\$2,227	\$1,291	\$1,369	\$1,369	\$1,369	\$1,369	\$1,369	\$1,369
17	Usage Charge Revenue	5,814	1,518	2,233	3,418	3,622	3,622	3,622	3,622	3,622	3,622
18	Total Commercial	\$7,916	\$3,888	\$4,460	\$4,709	\$4,991	\$4,991	\$4,991	\$4,991	\$4,991	\$4,991
<u>Volusia County</u>											
19	Base Charge Revenue	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333
20	Usage Charge Revenue	370,042	410,575	612,875	649,236	649,236	649,236	649,236	649,236	649,236	649,236
21	Total Volusia County	\$370,375	\$410,907	\$613,208	\$649,568	\$649,568	\$649,568	\$649,568	\$649,568	\$649,568	\$649,568
Total Outside the City Water Revenues											
22	Base Charge Revenue	\$108,313	\$112,491	\$117,664	\$124,699	\$132,189	\$132,189	\$132,189	\$132,189	\$132,189	\$132,189
23	Usage Charge Revenue	502,727	547,654	757,804	821,726	832,094	832,094	832,094	832,094	832,094	832,094
24	Total Outside the City Water Revenues	\$611,040	\$660,145	\$875,468	\$946,425	\$964,283	\$964,283	\$964,283	\$964,283	\$964,283	\$964,283
Total Retail Water Revenues											
25	Base Charge Revenue	\$1,319,859	\$1,390,456	\$1,481,723	\$1,577,218	\$1,672,591	\$1,676,695	\$1,680,799	\$1,684,903	\$1,689,007	\$1,693,111
26	Usage Charge Revenue	2,178,658	2,295,718	2,626,875	2,873,381	3,012,158	3,018,604	3,025,049	3,031,495	3,037,941	3,044,386
27	Revenue Adjustment = -6.50%	(26,239)	(101,370)	(164,344)	(289,289)	(304,509)	(305,194)	(305,880)	(306,566)	(307,252)	(307,937)
28	Total Retail Water Revenues	\$3,472,278	\$3,584,805	\$3,944,255	\$4,161,310	\$4,380,240	\$4,390,104	\$4,399,968	\$4,409,832	\$4,419,696	\$4,429,560
29	Total Rate Revenues	\$3,472,278	\$3,584,805	\$3,944,255	\$4,161,310	\$4,380,240	\$4,390,104	\$4,399,968	\$4,409,832	\$4,419,696	\$4,429,560

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
INSIDE THE CITY											
<u>Residential Single Family</u>											
1	Base Charge Revenue	\$1,439,616	\$1,540,790	\$1,642,664	\$1,742,795	\$1,852,771	\$1,857,733	\$1,862,695	\$1,867,657	\$1,872,619	\$1,877,581
2	Usage Charge Revenue	2,009,398	2,063,901	2,222,641	2,334,575	2,481,905	2,488,552	2,495,199	2,501,846	2,508,493	2,515,140
3	Total Residential Single Family	\$3,449,014	\$3,604,691	\$3,865,305	\$4,077,370	\$4,334,676	\$4,346,285	\$4,357,894	\$4,369,503	\$4,381,112	\$4,392,721
<u>Residential Multi Family</u>											
4	Base Charge Revenue	\$69,947	\$78,400	\$83,184	\$83,903	\$88,914	\$88,914	\$88,914	\$88,914	\$88,914	\$88,914
5	Usage Charge Revenue	105,209	109,354	105,021	105,844	112,242	112,242	112,242	112,242	112,242	112,242
6	Total Residential Multi Family	\$175,155	\$187,754	\$188,205	\$189,747	\$201,156	\$201,156	\$201,156	\$201,156	\$201,156	\$201,156
<u>Commercial</u>											
7	Base Charge Revenue	\$130,217	\$137,108	\$147,840	\$76,797	\$81,950	\$82,886	\$83,822	\$84,758	\$85,694	\$86,630
8	Usage Charge Revenue	177,838	198,881	206,122	238,537	254,729	257,683	260,637	263,592	266,546	269,501
9	Total Commercial	\$308,055	\$335,988	\$353,962	\$315,334	\$336,679	\$340,569	\$344,460	\$348,350	\$352,240	\$356,131
Total Inside the City Wastewater Revenues											
10	Base Charge Revenue	\$1,639,780	\$1,756,298	\$1,873,688	\$1,903,494	\$2,023,635	\$2,029,533	\$2,035,431	\$2,041,329	\$2,047,227	\$2,053,125
11	Usage Charge Revenue	2,292,445	2,372,135	2,533,784	2,678,956	2,848,876	2,858,477	2,868,078	2,877,680	2,887,281	2,896,882
12	Total Inside the City Wastewater Revenues	\$3,932,225	\$4,128,433	\$4,407,472	\$4,582,450	\$4,872,511	\$4,888,010	\$4,903,510	\$4,919,009	\$4,934,508	\$4,950,008
OUTSIDE THE CITY											
<u>Residential Single Family</u>											
13	Base Charge Revenue	\$60,701	\$63,329	\$67,123	\$70,949	\$75,206	\$75,206	\$75,206	\$75,206	\$75,206	\$75,206
14	Usage Charge Revenue	49,944	57,161	58,703	63,823	67,650	67,650	67,650	67,650	67,650	67,650
15	Total Residential Single Family	\$110,645	\$120,490	\$125,826	\$134,772	\$142,856	\$142,856	\$142,856	\$142,856	\$142,856	\$142,856
<u>Commercial</u>											
16	Base Charge Revenue	\$685	\$1,042	\$920	\$221	\$234	\$234	\$234	\$234	\$234	\$234
17	Usage Charge Revenue	381	360	225	451	478	478	478	478	478	478
18	Total Commercial	\$1,065	\$1,402	\$1,145	\$672	\$712	\$712	\$712	\$712	\$712	\$712
Total Outside the City Water Revenues											
19	Base Charge Revenue	\$61,386	\$64,371	\$68,043	\$71,170	\$75,440	\$75,440	\$75,440	\$75,440	\$75,440	\$75,440
20	Usage Charge Revenue	50,324	57,521	58,928	64,275	68,128	68,128	68,128	68,128	68,128	68,128
21	Total Total Outside the City Water Revenues	\$111,710	\$121,892	\$126,971	\$135,444	\$143,568	\$143,568	\$143,568	\$143,568	\$143,568	\$143,568
Total Wastewater Revenues											
22	Base Charge Revenue	1,701,166	1,820,668	1,941,731	1,974,664	2,099,075	2,104,973	2,110,871	2,116,769	2,122,667	2,128,565
23	Usage Charge Revenue	2,342,769	2,429,656	2,592,712	2,743,230	2,917,004	2,926,605	2,936,207	2,945,808	2,955,409	2,965,011
24	Revenue Adjustment - 1.50%	0	(10,626)	0	0	75,241	75,474	75,706	75,939	76,171	76,404
25	Total Wastewater Revenues	\$4,043,935	\$4,239,699	\$4,534,443	\$4,717,895	\$5,091,320	\$5,107,052	\$5,122,784	\$5,138,516	\$5,154,248	\$5,169,979
26	Total Rate Revenues	\$4,043,935	\$4,239,699	\$4,534,443	\$4,717,895	\$5,091,320	\$5,107,052	\$5,122,784	\$5,138,516	\$5,154,248	\$5,169,979

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

Summary of Historical and Projected Reclaimed Water Rate Revenues

Line No.	Description	Historical			Projected Fiscal Year Ending September 30,					
		2015	2016	2017	2018	2019	2020	2021	2022	2023
INSIDE THE CITY										
<u>Residential Single Family</u>										
1	Base Charge Revenue	\$334,372	\$344,603	\$346,115	\$346,685	\$347,255	\$347,825	\$348,395	\$348,965	\$349,535
2	Usage Charge Revenue	17,269	20,163	24,784	24,825	24,866	24,907	24,947	24,988	25,029
3	Total Residential Single Family	\$351,641	\$364,766	\$370,900	\$371,510	\$372,121	\$372,732	\$373,343	\$373,954	\$374,564
<u>Residential Multi Family</u>										
4	Base Charge Revenue	\$114	\$295	\$228	\$228	\$228	\$228	\$228	\$228	\$228
5	Usage Charge Revenue	38	24	2	2	2	2	2	2	2
6	Total Residential Multi Family	\$152	\$318	\$230	\$230	\$230	\$230	\$230	\$230	\$230
<u>Commercial</u>										
7	Base Charge Revenue	\$3,876	\$4,138	\$4,902	\$4,902	\$4,902	\$4,902	\$4,902	\$4,902	\$4,902
8	Additional Acreage Charges	0	0	2,060	2,060	2,060	2,060	2,060	2,060	2,060
9	Total Commercial	\$3,876	\$4,138	\$6,962	\$6,962	\$6,962	\$6,962	\$6,962	\$6,962	\$6,962
Total Inside the City Reclaimed Water Revenues										
10	Base Charge Revenue	\$338,362	\$349,036	\$351,245	\$351,815	\$352,385	\$352,955	\$353,525	\$354,095	\$354,665
11	Usage Charge Revenue	17,307	20,187	24,786	24,827	24,868	24,909	24,949	24,990	25,031
12	Additional Acreage Charges	0	0	2,060	2,060	2,060	2,060	2,060	2,060	2,060
13	Total Total Inside the City Reclaimed Water Reve	\$355,669	\$369,223	\$378,092	\$378,703	\$379,313	\$379,924	\$380,535	\$381,146	\$381,757
OUTSIDE THE CITY										
<u>Residential Single Family</u>										
14	Base Charge Revenue	\$0	\$133	\$114	\$114	\$114	\$114	\$114	\$114	\$114
15	Usage Charge Revenue	0	0	0	0	0	0	0	0	0
16	Total Residential Single Family	\$0	\$133	\$114	\$114	\$114	\$114	\$114	\$114	\$114
Total Outside the City Water Revenues										
17	Base Charge Revenue	\$0	\$133	\$114	\$114	\$114	\$114	\$114	\$114	\$114
18	Usage Charge Revenue	0	0	0	0	0	0	0	0	0
19	Additional Acreage Charges	0	0	0	0	0	0	0	0	0
20	Total Total Outside the City Water Revenues	\$0	\$133	\$114	\$114	\$114	\$114	\$114	\$114	\$114
Total Reclaimed Water Revenues										
21	Base Charge Revenue	\$338,362	\$349,169	\$351,359	\$351,929	\$352,499	\$353,069	\$353,639	\$354,209	\$354,779
22	Usage Charge Revenue	17,307	20,187	24,786	24,827	24,868	24,909	24,949	24,990	25,031
23	Additional Acreage Charges	0	0	2,060	2,060	2,060	2,060	2,060	2,060	2,060
24	Revenue Adjustment - -1.50%	1,778	(7,387)	(5,642)	(5,651)	(5,661)	(5,670)	(5,679)	(5,688)	(5,697)
25	Total Total Reclaimed Water Revenues	\$357,447	\$361,969	\$372,564	\$373,165	\$373,767	\$374,369	\$374,970	\$375,572	\$376,174
26	Total Rate Revenues	\$357,447	\$361,969	\$372,564	\$373,165	\$373,767	\$374,369	\$374,970	\$375,572	\$376,174

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

Allocation of Fiscal Year 2018 Operating Budget [1]

Line No.	Cost Center Code	Description	Budget 2018	Adjustments	Adjusted 2018	Allocation Factor	Allocation Percentages		Allocated Amounts	
							Water	Wastewater	Water	Wastewater
	440-4010-539	<u>Administration Department</u>								
1	440-4010-539.12-10	Regular Salaries	\$281,801	\$0	\$281,801	Adm Salary	43.60%	56.40%	\$122,859	\$158,942
2	440-4010-539.14-10	Overtime	0	0	0	Adm Salary	43.60%	56.40%	0	0
3	440-4010-539.15-30	Cell Phone	1,982	0	1,982	Adm Salary	43.60%	56.40%	864	1,118
4	440-4010-539.15-60	Boot Allowance	125	0	125	Adm Salary	43.60%	56.40%	54	71
5	440-4010-539.21-10	FICA Taxes	16,190	0	16,190	Adm Salary	43.60%	56.40%	7,059	9,131
6	440-4010-539.21-20	Medicare	3,786	0	3,786	Adm Salary	43.60%	56.40%	1,651	2,135
7	440-4010-539.22-10	Retirement Contributions	18,146	0	18,146	Adm Salary	43.60%	56.40%	7,911	10,235
8	440-4010-539.22-20	DCSE	25,807	0	25,807	Adm Salary	43.60%	56.40%	11,251	14,556
9	440-4010-539.23-10	Life Insurance	1,313	0	1,313	Adm Salary	43.60%	56.40%	572	741
10	440-4010-539.23-20	Group Medical Insurance	54,316	0	54,316	Adm Salary	43.60%	56.40%	23,681	30,635
11	440-4010-539.23-30	Dental Insurance	2,218	0	2,218	Adm Salary	43.60%	56.40%	967	1,251
12	440-4010-539.23-40	Long Term Disability	2,325	0	2,325	Adm Salary	43.60%	56.40%	1,014	1,311
13	440-4010-539.23-90	OPEB Expense	0	2,710	2,710	Adm Salary	43.60%	56.40%	1,181	1,528
14	440-4010-539.24-10	Worker's Compensation	702	0	702	Adm Salary	43.60%	56.40%	306	396
15		Subtotal Personnel Expenses	\$408,711	\$2,710	\$411,421		43.60%	56.40%	\$179,371	\$232,050
		<u>Operating Expenses</u>								
16	440-4010-539.34-10	Other Contractual Service	\$2,653	\$0	\$2,653	Adm Salary	43.60%	56.40%	\$1,157	\$1,496
17	440-4010-539.40-10	Travel & Per Diem	3,900	0	3,900	Adm Salary	43.60%	56.40%	1,700	2,200
18	440-4010-539.41-10	Telephone	0	0	0	Adm Salary	43.60%	56.40%	0	0
19	440-4010-539.41-20	Internet	3,696	0	3,696	Adm Salary	43.60%	56.40%	1,611	2,085
20	440-4010-539.41-40	Postage	0	0	0	Adm Salary	43.60%	56.40%	0	0
21	440-4010-539.43-10	Electric	4,000	0	4,000	Adm Salary	43.60%	56.40%	1,744	2,256
22	440-4010-539.46-10	Repair & Maintenance	2,100	0	2,100	Adm Salary	43.60%	56.40%	916	1,184
23	440-4010-539.46-20	Fleet Charges	1,141	0	1,141	Adm Salary	43.60%	56.40%	497	644
24	440-4010-539.47-20	Copier	6,800	0	6,800	Adm Salary	43.60%	56.40%	2,965	3,835
25	440-4010-539.49-01	Cost Allocation [2]	397,325	0	397,325	Adm Salary	43.60%	56.40%	173,226	224,099
26	440-4010-539.49-10	Other Charges/Obligations	200	0	200	Adm Salary	43.60%	56.40%	87	113
27	440-4010-539.49-40	PILOFF Water & Sewer [3]	282,489	(282,489)	0	Adm Salary	43.60%	56.40%	0	0
28	440-4010-539.51-10	Office Supplies	1,500	0	1,500	Adm Salary	43.60%	56.40%	654	846
29	440-4010-539.52-10	Operating Supplies	2,750	0	2,750	Adm Salary	43.60%	56.40%	1,199	1,551
30	440-4010-539.52-20	Unleaded & Diesel	1,017	0	1,017	Adm Salary	43.60%	56.40%	443	574
31	440-4010-539.52-30	Uniforms	700	0	700	Adm Salary	43.60%	56.40%	305	395
32	440-4010-539.54-10	Books, Pubs, Subs, & Mem	8,267	0	8,267	Adm Salary	43.60%	56.40%	3,604	4,663
33	440-4010-539.54-20	Educational Development	3,450	0	3,450	Adm Salary	43.60%	56.40%	1,504	1,946
34		Subtotal Operating Expenses	\$721,988	(\$282,489)	\$439,499		43.60%	56.40%	\$191,613	\$247,886
35		Total Administration Department	\$1,130,699	(\$279,780)	\$850,920		43.60%	56.40%	\$370,984	\$479,936
	440-4030-533	<u>Water Department</u>								
36	440-4030-533.12-10	Regular Salaries	\$495,065	\$0	\$495,065	Direct-W	100.00%	0.00%	\$495,065	\$0
37	440-4030-533.12-20	AddPerWater	0	0	0	Input	0.00%	0.00%	0	0
38	440-4030-533.12-30	DC ICMA	20,411	0	20,411	Direct-W	100.00%	0.00%	20,411	0
39	440-4030-533.14-10	Overtime / Other Salaries	302	0	302	Direct-W	100.00%	0.00%	302	0
40	440-4030-533.15-30	Cell Phone	905	0	905	Direct-W	100.00%	0.00%	905	0
41	440-4030-533.15-60	Boot Allowance	1,250	0	1,250	Direct-W	100.00%	0.00%	1,250	0
42	440-4030-533.21-10	FICA Taxes	26,592	0	26,592	Direct-W	100.00%	0.00%	26,592	0
43	440-4030-533.21-20	Medicare	6,219	0	6,219	Direct-W	100.00%	0.00%	6,219	0
44	440-4030-533.22-10	Retirement Contributions	0	0	0	Direct-W	100.00%	0.00%	0	0
45	440-4030-533.22-20	DCSE	33,517	0	33,517	Direct-W	100.00%	0.00%	33,517	0
46	440-4030-533.23-10	Life Insurance	2,264	0	2,264	Direct-W	100.00%	0.00%	2,264	0
47	440-4030-533.23-20	Group Medical Insurance	126,425	0	126,425	Direct-W	100.00%	0.00%	126,425	0
48	440-4030-533.23-30	Dental Insurance	3,298	0	3,298	Direct-W	100.00%	0.00%	3,298	0
49	440-4030-533.23-40	Long Term Disability	4,026	0	4,026	Direct-W	100.00%	0.00%	4,026	0
50	440-4030-533.23-90	OPEB Expense	0	6,346	6,346	Direct-W	100.00%	0.00%	6,346	0
51	440-4030-533.24-10	Worker's Compensation	19,924	0	19,924	Direct-W	100.00%	0.00%	19,924	0
52		Subtotal Personnel Expenses	\$740,198	\$6,346	\$746,544		100.00%	0.00%	\$746,544	\$0
		<u>Operating Expenses</u>								
53	440-4030-533.31-10	Professional Services	\$9,795	\$0	\$9,795	Direct-W	100.00%	0.00%	\$9,795	\$0
54	440-4030-533.34-10	Other Contractual Service	94,705	0	94,705	Direct-W	100.00%	0.00%	94,705	0
55	440-4030-533.40-10	Travel & Per Diem	1,100	0	1,100	Direct-W	100.00%	0.00%	1,100	0
56	440-4030-533.41-10	Telephone	0	0	0	Direct-W	100.00%	0.00%	0	0
57	440-4030-533.41-11	Cell Phone	0	0	0	Direct-W	100.00%	0.00%	0	0
58	440-4030-533.41-15	Cellular	750	0	750	Direct-W	100.00%	0.00%	750	0
59	440-4030-533.41-20	Internet	1,416	0	1,416	Direct-W	100.00%	0.00%	1,416	0
60	440-4030-533.41-30	Legal Ads	0	0	0	Direct-W	100.00%	0.00%	0	0
61	440-4030-533.41-40	Postage	10,000	0	10,000	Direct-W	100.00%	0.00%	10,000	0
62	440-4030-533.43-10	Electric	150,000	0	150,000	Direct-W	100.00%	0.00%	150,000	0
63	440-4030-533.44-10	Rent	1,310	0	1,310	Direct-W	100.00%	0.00%	1,310	0
64	440-4030-533.46-10	Repair & Maintenance	97,276	0	97,276	Direct-W	100.00%	0.00%	97,276	0
65	440-4030-533.46-20	Fleet Charges	2,283	0	2,283	Direct-W	100.00%	0.00%	2,283	0
66	440-4030-533.47-10	Printing & Binding	200	0	200	Direct-W	100.00%	0.00%	200	0
67	440-4030-533.47-20	Copier	500	0	500	Direct-W	100.00%	0.00%	500	0
68	440-4030-533.48-10	Promotional Activities	5,175	0	5,175	Direct-W	100.00%	0.00%	5,175	0
69	440-4030-533.49-01	Cost Allocation [2]	133,973	0	133,973	Direct-W	100.00%	0.00%	133,973	0
70	440-4030-533.49-10	Other Charges/Obligations	21,000	0	21,000	Direct-W	100.00%	0.00%	21,000	0
71	440-4030-533.49-40	PILOFF Water & Sewer [3]	99,222	(99,222)	0	Direct-W	100.00%	0.00%	0	0
72	440-4030-533.51-10	Office Supplies	650	0	650	Direct-W	100.00%	0.00%	650	0
73	440-4030-533.52-10	Operating Supplies	25,680	0	25,680	Direct-W	100.00%	0.00%	25,680	0
74	440-4030-533.52-20	Unleaded & Diesel	1,849	0	1,849	Direct-W	100.00%	0.00%	1,849	0

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

Allocation of Fiscal Year 2018 Operating Budget [1]

Line No.	Cost Center Code	Description	Budget 2018	Adjustments	Adjusted 2018	Allocation Factor	Allocation Percentages		Allocated Amounts	
							Water	Wastewater	Water	Wastewater
75	440-4030-533.52-25	Bulk Fuel	6,000	0	6,000	Direct-W	100.00%	0.00%	6,000	0
76	440-4030-533.52-30	Uniforms	1,550	0	1,550	Direct-W	100.00%	0.00%	1,550	0
77	440-4030-533.52-50	Chemical	358,305	0	358,305	Direct-W	100.00%	0.00%	358,305	0
78	440-4030-533.54-10	Books, Pubs, Subs, & Mem	1,120	0	1,120	Direct-W	100.00%	0.00%	1,120	0
79	440-4030-533.54-20	Educational Development	1,150	0	1,150	Direct-W	100.00%	0.00%	1,150	0
80		Subtotal Operating Expenses	\$1,025,009	(\$99,222)	\$925,787		100.00%	0.00%	\$925,787	\$0
81		Total Water Department	\$1,765,207	(\$92,876)	\$1,672,331		100.00%	0.00%	\$1,672,331	\$0
	440-4040-535	<u>Wastewater Department</u>								
82	440-4040-535.12-10	Regular Salaries	\$642,796	\$0	\$642,796	Direct-S	0.00%	100.00%	\$0	\$642,796
83	AddPerWastewater	Additional Personnel	0	0	0	Input	0.00%	0.00%	0	0
84	440-4040-535.13-10	Other Salaries	0	0	0	Direct-S	0.00%	100.00%	0	0
85	440-4040-535.14-10	Overtime	0	0	0	Direct-S	0.00%	100.00%	0	0
86	440-4040-535.15-30	Cell Phone	1,750	0	1,750	Direct-S	0.00%	100.00%	0	1,750
87	440-4040-535.15-40	Insurance Payback	4,829	0	4,829	Direct-S	0.00%	100.00%	0	4,829
88	440-4040-535.15-60	Boot Allowance	1,500	0	1,500	Direct-S	0.00%	100.00%	0	1,500
89	440-4040-535.21-10	FICA Taxes	33,953	0	33,953	Direct-S	0.00%	100.00%	0	33,953
90	440-4040-535.21-20	Medicare	7,941	0	7,941	Direct-S	0.00%	100.00%	0	7,941
91	440-4040-535.22-10	Retirement Contributions	22,851	0	22,851	Direct-S	0.00%	100.00%	0	22,851
92	440-4040-535.22-20	DCSE	60,872	0	60,872	Direct-S	0.00%	100.00%	0	60,872
93	440-4040-535.23-10	Life Insurance	2,845	0	2,845	Direct-S	0.00%	100.00%	0	2,845
94	440-4040-535.23-20	Group Medical Insurance	150,585	0	150,585	Direct-S	0.00%	100.00%	0	150,585
95	440-4040-535.23-30	Dental Insurance	4,114	0	4,114	Direct-S	0.00%	100.00%	0	4,114
96	440-4040-535.23-40	Long Term Disability	5,077	0	5,077	Direct-S	0.00%	100.00%	0	5,077
97	440-4040-535.23-90	OPEB	0	7,527	7,527	Direct-S	0.00%	100.00%	0	7,527
98	440-4040-535.24-10	Worker's Compensation	22,904	0	22,904	Direct-S	0.00%	100.00%	0	22,904
99		Subtotal Personnel Expenses	\$962,017	\$7,527	\$969,544		0.00%	100.00%	\$0	\$969,544
		<u>Operating Expenses</u>								
100	440-4040-535.31-10	Professional Services	\$45,000	\$0	\$45,000	Direct-S	0.00%	100.00%	\$0	\$45,000
101	440-4040-535.34-10	Other Contractual Service	223,530	0	223,530	Direct-S	0.00%	100.00%	0	223,530
102	440-4040-535.40-10	Travel & Per Diem	4,950	0	4,950	Direct-S	0.00%	100.00%	0	4,950
103	440-4040-535.41-10	Telephone	0	0	0	Direct-S	0.00%	100.00%	0	0
104	440-4040-535.41-15	Cellular	375	0	375	Direct-S	0.00%	100.00%	0	375
105	440-4040-535.41-20	Internet	1,075	0	1,075	Direct-S	0.00%	100.00%	0	1,075
106	440-4040-535.41-30	Legal Ads	0	0	0	Direct-S	0.00%	100.00%	0	0
107	440-4040-535.41-40	Postage	10,000	0	10,000	Direct-S	0.00%	100.00%	0	10,000
108	440-4040-535.43-10	Electric	175,000	0	175,000	Direct-S	0.00%	100.00%	0	175,000
109	440-4040-535.43-30	Water / Sewer / Trash	13,963	0	13,963	Direct-S	0.00%	100.00%	0	13,963
110	440-4040-535.44-10	Rent	5,640	0	5,640	Direct-S	0.00%	100.00%	0	5,640
111	440-4040-535.46-10	Repair & Maintenance	127,650	0	127,650	Direct-S	0.00%	100.00%	0	127,650
112	440-4040-535.46-20	Fleet Charges	5,566	0	5,566	Direct-S	0.00%	100.00%	0	5,566
113	440-4040-535.47-10	Printing & Binding	0	0	0	Direct-S	0.00%	100.00%	0	0
114	440-4040-535.47-20	Copier	2,100	0	2,100	Direct-S	0.00%	100.00%	0	2,100
115	440-4040-535.48-10	Promotional Activities	1,550	0	1,550	Direct-S	0.00%	100.00%	0	1,550
116	440-4040-535.49-01	Cost Allocation [2]	144,450	0	144,450	Direct-S	0.00%	100.00%	0	144,450
117	440-4040-535.49-10	Other Charges/Obligations	7,300	0	7,300	Direct-S	0.00%	100.00%	0	7,300
118	440-4040-535.49-40	PILOFF Water & Sewer [3]	102,868	(102,868)	0	Direct-S	0.00%	100.00%	0	0
119	440-4040-535.51-10	Office Supplies	1,000	0	1,000	Direct-S	0.00%	100.00%	0	1,000
120	440-4040-535.52-10	Operating Supplies	53,640	0	53,640	Direct-S	0.00%	100.00%	0	53,640
121	440-4040-535.52-20	Unloaded & Diesel	2,404	0	2,404	Direct-S	0.00%	100.00%	0	2,404
122	440-4040-535.52-25	Bulk Fuel	3,000	0	3,000	Direct-S	0.00%	100.00%	0	3,000
123	440-4040-535.52-30	Uniforms	1,600	0	1,600	Direct-S	0.00%	100.00%	0	1,600
124	440-4040-535.52-50	Chemical	130,500	0	130,500	Direct-S	0.00%	100.00%	0	130,500
125	440-4040-535.54-10	Books, Pubs, Subs, & Mem	440	0	440	Direct-S	0.00%	100.00%	0	440
126	440-4040-535.54-20	Educational Development	6,000	0	6,000	Direct-S	0.00%	100.00%	0	6,000
127		Subtotal Operating Expenses	\$1,069,601	(\$102,868)	\$966,733		0.00%	100.00%	\$0	\$966,733
128		Total Wastewater Department	\$2,031,618	(\$95,341)	\$1,936,277		0.00%	100.00%	\$0	\$1,936,277
	440-4050-539	<u>Wastewater Collections</u>								
129	440-4050-539.12-10	Regular Salaries	\$178,829	\$0	\$178,829	Direct-S	0.00%	100.00%	\$0	\$178,829
130	AddPerCollections	Additional Personnel	0	0	0	Input	0.00%	0.00%	0	0
131	440-4050-539.14-10	Overtime	0	0	0	Direct-S	0.00%	100.00%	0	0
132	440-4050-539.15-30	Cell Phone	905	0	905	Direct-S	0.00%	100.00%	0	905
133	440-4050-539.15-60	Boot Allowance	625	0	625	Direct-S	0.00%	100.00%	0	625
134	440-4050-539.21-10	FICA Taxes	9,026	0	9,026	Direct-S	0.00%	100.00%	0	9,026
135	440-4050-539.21-20	Medicare	2,111	0	2,111	Direct-S	0.00%	100.00%	0	2,111
136	440-4050-539.22-10	Retirement Contributions	0	0	0	Direct-S	0.00%	100.00%	0	0
137	440-4050-539.22-20	DCSE	18,984	0	18,984	Direct-S	0.00%	100.00%	0	18,984
138	440-4050-539.23-10	Life Insurance	797	0	797	Direct-S	0.00%	100.00%	0	797
139	440-4050-539.23-20	Group Medical Insurance	55,306	0	55,306	Direct-S	0.00%	100.00%	0	55,306
140	440-4050-539.23-30	Dental Insurance	1,553	0	1,553	Direct-S	0.00%	100.00%	0	1,553
141	440-4050-539.23-40	Long Term Disability	1,416	0	1,416	Direct-S	0.00%	100.00%	0	1,416
142	440-4050-539.23-90	OPEB Expense	0	2,175	2,175	Direct-S	0.00%	100.00%	0	2,175
143	440-4050-539.24-10	Worker's Compensation	5,946	0	5,946	Direct-S	0.00%	100.00%	0	5,946
144		Subtotal Personnel Expenses	\$275,498	\$2,175	\$277,673		0.00%	100.00%	\$0	\$277,673

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

Allocation of Fiscal Year 2018 Operating Budget [1]

Line No.	Cost Center Code	Description	Budget 2018	Adjustments	Adjusted 2018	Allocation Factor	Allocation Percentages		Allocated Amounts	
							Water	Wastewater	Water	Wastewater
<u>Operating Expenses</u>										
145	440-4050-539.34-10	Other Contractual Service	\$213	\$0	\$213	Direct-S	0.00%	100.00%	\$0	\$213
146	440-4050-539.40-10	Travel & Per Diem	3,150	0	3,150	Direct-S	0.00%	100.00%	0	3,150
147	440-4050-539.41-10	Telephone	0	0	0	Direct-S	0.00%	100.00%	0	0
148	440-4050-539.41-15	Cellular	375	0	375	Direct-S	0.00%	100.00%	0	375
149	440-4050-539.41-20	Internet	359	0	359	Direct-S	0.00%	100.00%	0	359
150	440-4050-539.43-10	Electric	71,000	0	71,000	Direct-S	0.00%	100.00%	0	71,000
151	440-4050-539.43-30	Water / Sewer / Trash	352	0	352	Direct-S	0.00%	100.00%	0	352
152	440-4050-539.44-10	Rent	500	0	500	Direct-S	0.00%	100.00%	0	500
153	440-4050-539.46-10	Repair & Maintenance	90,000	0	90,000	Direct-S	0.00%	100.00%	0	90,000
154	440-4050-539.46-20	Fleet Charges	12,566	0	12,566	Direct-S	0.00%	100.00%	0	12,566
155	440-4050-539.47-10	Printing & Binding	0	0	0	Direct-S	0.00%	100.00%	0	0
156	440-4050-539.47-20	Copier	500	0	500	Direct-S	0.00%	100.00%	0	500
157	440-4050-539.49-01	Cost Allocation [2]	47,954	0	47,954	Direct-S	0.00%	100.00%	0	47,954
158	440-4050-539.49-10	Other Charges/Obligations	2,075	0	2,075	Direct-S	0.00%	100.00%	0	2,075
159	440-4050-539.49-40	PILOFF Water & Sewer [3]	27,643	(27,643)	0	Direct-S	0.00%	100.00%	0	0
160	440-4050-539.51-10	Office Supplies	500	0	500	Direct-S	0.00%	100.00%	0	500
161	440-4050-539.52-10	Operating Supplies	20,250	0	20,250	Direct-S	0.00%	100.00%	0	20,250
162	440-4050-539.52-20	Unleaded & Diesel	13,407	0	13,407	Direct-S	0.00%	100.00%	0	13,407
163	440-4050-539.52-30	Uniforms	800	0	800	Direct-S	0.00%	100.00%	0	800
164	440-4050-539.52-50	Chemical	40,000	0	40,000	Direct-S	0.00%	100.00%	0	40,000
165	440-4050-539.54-10	Books, Pubs, Subs, & Mem	400	0	400	Direct-S	0.00%	100.00%	0	400
166	440-4050-539.54-20	Educational Development	1,000	0	1,000	Direct-S	0.00%	100.00%	0	1,000
167		Subtotal Operating Expenses	\$333,044	(\$27,643)	\$305,401		0.00%	100.00%	\$0	\$305,401
168		Total Wastewater Collections	\$608,542	(\$25,468)	\$583,074		0.00%	100.00%	\$0	\$583,074
<u>Field Operations</u>										
169	440-4080-539.12-10	Regular Salaries	\$504,075	\$0	\$504,075	Lines	59.27%	40.73%	\$298,751	\$205,324
170		AddPerFieldOps	0	26,241	26,241	Input	59.27%	40.73%	15,552	10,689
171	440-4080-539.12-20	DC ICMA	19,452	0	19,452	Lines	59.27%	40.73%	11,529	7,923
172	440-4080-539.14-10	Overtime	0	0	0	Lines	59.27%	40.73%	0	0
173	440-4080-539.15-30	Cell Phone	1,328	0	1,328	Lines	59.27%	40.73%	787	541
174	440-4080-539.15-60	Boot Allowance	1,500	0	1,500	Lines	59.27%	40.73%	889	611
175	440-4080-539.21-10	FICA Taxes	25,861	0	25,861	Lines	59.27%	40.73%	15,327	10,534
176	440-4080-539.21-20	Medicare	6,048	0	6,048	Lines	59.27%	40.73%	3,584	2,464
177	440-4080-539.22-20	DCSE	34,041	0	34,041	Lines	59.27%	40.73%	20,175	13,866
178	440-4080-539.23-10	Life Insurance	2,067	0	2,067	Lines	59.27%	40.73%	1,225	842
179	440-4080-539.23-20	Group Medical Insurance	159,978	0	159,978	Lines	59.27%	40.73%	94,815	65,163
180	440-4080-539.23-30	Dental Insurance	4,013	0	4,013	Lines	59.27%	40.73%	2,378	1,635
181	440-4080-539.23-40	Long Term Disability	3,999	0	3,999	Lines	59.27%	40.73%	2,370	1,629
182	440-4080-539.23-90	OPEB Expense	0	5,894	5,894	Lines	59.27%	40.73%	3,493	2,401
183	440-4080-539.24-10	Worker's Compensation	22,965	0	22,965	Lines	59.27%	40.73%	13,611	9,354
184		Subtotal Personnel Costs	\$785,327	\$32,135	\$817,462		59.27%	40.73%	\$484,487	\$332,975
<u>Operating Expenses</u>										
185	440-4080-539.34-10	Other Contractual Service	\$547	\$0	\$547	Lines	59.27%	40.73%	\$324	\$223
186	440-4080-539.40-10	Travel & Per Diem	2,488	0	2,488	Lines	59.27%	40.73%	1,475	1,013
187	440-4080-539.41-10	Telephone	0	0	0	Lines	59.27%	40.73%	0	0
188	440-4080-539.41-15	Cellular	800	0	800	Lines	59.27%	40.73%	474	326
189	440-4080-539.41-20	Internet	397	0	397	Lines	59.27%	40.73%	235	162
190	440-4080-539.41-40	Postage	0	0	0	Lines	59.27%	40.73%	0	0
191	440-4080-539.44-10	Rent	1,000	0	1,000	Lines	59.27%	40.73%	593	407
192	440-4080-539.46-10	Repair & Maintenance	135,500	0	135,500	Lines	59.27%	40.73%	80,307	55,193
193	440-4080-539.46-20	Fleet Charges	27,895	0	27,895	Lines	59.27%	40.73%	16,533	11,362
194	440-4080-539.49-01	Cost Allocation [2]	105,554	0	105,554	Lines	59.27%	40.73%	62,559	42,995
195	440-4080-539.49-10	Other Charges/Obligations	4,250	0	4,250	Lines	59.27%	40.73%	2,519	1,731
196	440-4080-539.49-40	PILOFF Water & Sewer [3]	75,931	(75,931)	0	Lines	59.27%	40.73%	0	0
197	440-4080-539.51-10	Office Supplies	400	0	400	Lines	59.27%	40.73%	237	163
198	440-4080-539.52-10	Operating Supplies	31,600	0	31,600	Lines	59.27%	40.73%	18,728	12,872
199	440-4080-539.52-20	Unleaded & Diesel	27,275	0	27,275	Lines	59.27%	40.73%	16,165	11,110
200	440-4080-539.52-30	Uniforms	1,720	0	1,720	Lines	59.27%	40.73%	1,019	701
201	440-4080-539.54-10	Books, Pubs, Subs, & Mem	30	0	30	Lines	59.27%	40.73%	18	12
202	440-4080-539.54-20	Educational Development	2,700	0	2,700	Lines	59.27%	40.73%	1,600	1,100
203		Subtotal Operating Expenses	\$418,087	(\$75,931)	\$342,156		59.27%	40.73%	\$202,786	\$139,370
204		Total Field Operations	\$1,203,414	(\$43,796)	\$1,159,618		59.27%	40.73%	\$687,274	\$472,345

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

Allocation of Fiscal Year 2018 Operating Budget [1]

Line No.	Cost Center Code	Description	Budget 2018	Adjustments	Adjusted 2018	Allocation Factor	Allocation Percentages		Allocated Amounts	
							Water	Wastewater	Water	Wastewater
440-5555-580, 581, 589 <u>Non-Departmental [4]</u>										
205	440-5555-580.22-10	Retirement Contributions	\$320,360	\$0	\$320,360	Equal	50.00%	50.00%	\$160,180	\$160,180
206	440-5555-580.23-80	PTO Expense	0	0	0	Eliminate	0.00%	0.00%	0	0
207	440-5555-580.31-10	Professional Services	20,659	0	20,659	Revenues	44.98%	55.02%	9,292	11,367
208	440-5555-580.32-10	Accounting & Auditing	0	0	0	Eliminate	0.00%	0.00%	0	0
209	440-5555-580.45-10	General Liability	15,661	0	15,661	Assets	42.00%	58.00%	6,578	9,083
210	440-5555-580.45-15	Property	69,469	(69,469)	0	Assets	42.00%	58.00%	0	0
211	440-5555-580.45-20	Public Officials	12,690	0	12,690	Revenues	44.98%	55.02%	5,708	6,982
212	440-5555-580.45-25	Automobile	16,257	(16,257)	0	Assets	42.00%	58.00%	0	0
213	440-5555-580.45-35	Environmental Liability	3,327	0	3,327	Equal	50.00%	50.00%	1,664	1,664
214	440-5555-580.49-10	Other Charges/Obligations	0	0	0	Equal	50.00%	50.00%	0	0
215	440-5555-580.49-20	Bank Charges	0	0	0	Eliminate	0.00%	0.00%	0	0
216	440-5555-580.49-50	Write Off	0	0	0	Eliminate	0.00%	0.00%	0	0
217	440-5555-580.49-60	Hurricane Charges	0	0	0	Equal	50.00%	50.00%	0	0
218	440-5555-580.52-10	Operating Supplies	0	0	0	Eliminate	0.00%	0.00%	0	0
219	440-5555-580.59-10	Depreciation	0	0	0	Eliminate	0.00%	0.00%	0	0
220	440-5555-580.63-10	Improvements O/T Building	40,000	(40,000)	0	Assets	42.00%	58.00%	0	0
221	440-5555-580.64-10	Machinery & Equipment	88,000	(88,000)	0	Assets	42.00%	58.00%	0	0
222	440-5555-580.64-20	Motor Vehicles	75,040	(75,040)	0	Assets	42.00%	58.00%	0	0
223	440-5555-580.71-15	JCI Meters	657,000	(657,000)	0	Direct-W	100.00%	0.00%	0	0
224	440-5555-580.71-24	Refunding Bond Series 09	0	0	0	Assets	42.00%	58.00%	0	0
225	440-5555-580.71-26	BBT SRF Refinance 2012	0	0	0	Assets	42.00%	58.00%	0	0
226	440-5555-580.71-28	BBT Cap Imp Rev Note 2014	31,000	(31,000)	0	Direct-S	0.00%	100.00%	0	0
227	440-5555-580.71-29	St Rev Fund-WWTP R&R 2013	283,028	(283,028)	0	Direct-S	0.00%	100.00%	0	0
228	440-5555-580.71-38	BBT W&S Ref Rev Bnd 2016	856,000	(856,000)	0	Direct-S	0.00%	100.00%	0	0
229	440-5555-580.72-13	BOA Obligation #265	0	0	0	Eliminate	0.00%	0.00%	0	0
229	440-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	4,674	(4,674)	0	Equal	50.00%	50.00%	0	0
230	440-5555-580.72-15	JCI Meters	30,832	(30,832)	0	Direct-W	100.00%	0.00%	0	0
231	440-5555-580.72-20	State Revolving Fund	0	0	0	Eliminate	0.00%	0.00%	0	0
232	440-5555-580.72-24	Refunding Bond Series 09	0	0	0	Assets	42.00%	58.00%	0	0
233	440-5555-580.72-26	BBT SRF Refinance 2012	0	0	0	Assets	42.00%	58.00%	0	0
234	440-5555-580.72-28	BBT Cap Imp Rev Note 2014	5,302	(5,302)	0	Direct-S	0.00%	100.00%	0	0
235	440-5555-580.72-29	St Rev Fund-WWTP R&R 2013	100,941	(100,941)	0	Direct-S	0.00%	100.00%	0	0
236	440-5555-580.72-38	BBT W&S Ref Rev Bnd 2016	208,725	(208,725)	0	Direct-S	0.00%	100.00%	0	0
237	440-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	496	(496)	0	Equal	50.00%	50.00%	0	0
238	440-5555-580.73-11	2013 SunTrust JCI	0	0	0	Eliminate	0.00%	0.00%	0	0
239	440-5555-580.73-21	Bond Issuance Cost - SRF	0	0	0	Eliminate	0.00%	0.00%	0	0
240	440-5555-580.73-41	BBT SRF Refinance 2012	0	0	0	Eliminate	0.00%	0.00%	0	0
241	440-5555-580.73-42	Cap Imp Rev Note Srs 2014	0	0	0	Eliminate	0.00%	0.00%	0	0
242	440-5555-581.03-31	Capital Fund	0	0	0	Eliminate	0.00%	0.00%	0	0
243	440-5555-581.04-44	Renewal And Replacement	0	0	0	Eliminate	0.00%	0.00%	0	0
244	440-5555-581.04-45	Wtr/Swr Rate Stabilization	0	0	0	Revenues	44.98%	55.02%	0	0
245	440-5555-581.04-50	Public Works Complex - Debt Service	0	0	0	Assets	42.00%	58.00%	0	0
246	440-5555-581.05-01	MIS	8,800	(8,800)	0	Assets	42.00%	58.00%	0	0
247	440-5555-589.50-50	Stabilization / Charter Reserve Estimated Savings	385,708	(385,708)	0	Eliminate	0.00%	0.00%	0	0
248	440-5555-581.10-01	General Fund	0	0	0	Eliminate	0.00%	0.00%	0	0
249	440-5555-589.10-01	Current Year Unreserved	615,360	(615,360)	0	Revenues	44.98%	55.02%	0	0
250		Total Non-Departmental	\$3,849,329	(\$3,476,632)	\$372,697		49.21%	50.79%	\$183,421	\$189,276
<u>Other Adjustments</u>										
251	Contingency	Contingency - 1.00% of O&M [5]	\$0	\$65,749	\$65,749	Calculation	44.32%	55.68%	\$29,140	\$36,609
252	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [6]	0	24,612	24,612	Calculation	44.49%	55.51%	10,951	13,661
253	Other	Other Adjustments - Retirement Benefits	0	0	0	Adm Salary	43.60%	56.40%	0	0
254		Total Other Adjustments	\$0	\$90,361	\$90,361		44.37%	55.63%	\$40,091	\$50,270
255		Grand Total Operating Budget	\$10,588,809	(\$3,923,531)	\$6,665,278		44.32%	55.68%	\$2,954,100	\$3,711,178

Footnotes:

- [1] Budgeted amounts shown are based on the Fiscal Year 2018 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	52.28%	47.72%	100.00%
6	Sales Revenues	Revenues	44.98%	55.02%	100.00%
7	Treated Flows	Flows	55.02%	44.98%	100.00%
8	Miles of Line	Lines	59.27%	40.73%	100.00%
9	Operating Expenses	Op Exp	44.32%	55.68%	100.00%
10	Administration Operations Salaries	Adm Salary	43.60%	56.40%	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] 2018	Escalation Factor	Projected 2019	Fiscal Year Ending September 30th,			
						2020	2021	2022	2023
440-4010-539 Administration Department									
1	440-4010-539.12-10	Regular Salaries	\$122,859	Labor	\$126,545	\$130,342	\$134,252	\$138,279	\$142,428
2	440-4010-539.14-10	Overtime	0	Labor	0	0	0	0	0
3	440-4010-539.15-30	Cell Phone	864	Inflation	882	903	926	949	973
4	440-4010-539.15-60	Boot Allowance	54	Inflation	56	57	58	60	61
5	440-4010-539.21-10	FICA Taxes	7,059	Labor	7,270	7,488	7,713	7,944	8,183
6	440-4010-539.21-20	Medicare	1,651	Labor	1,700	1,751	1,804	1,858	1,914
7	440-4010-539.22-10	Retirement Contributions	7,911	Labor	8,149	8,393	8,645	8,904	9,171
8	440-4010-539.22-20	DCSE	11,251	Labor	11,589	11,937	12,295	12,663	13,043
9	440-4010-539.23-10	Life Insurance	572	General-Ins	572	572	572	572	572
10	440-4010-539.23-20	Group Medical Insurance	23,681	Health-Ins	17,997	19,797	21,777	23,954	26,350
11	440-4010-539.23-30	Dental Insurance	967	Health-Ins	735	808	889	978	1,076
12	440-4010-539.23-40	Long Term Disability	1,014	Health-Ins	770	847	932	1,025	1,128
13	440-4010-539.23-90	OPEB Expense	1,181	Marginal	1,193	1,205	1,217	1,229	1,242
14	440-4010-539.24-10	Worker's Compensation	306	Labor	315	325	334	344	355
15		Subtotal Personnel Expenses	\$179,371		\$177,774	\$184,426	\$191,415	\$198,762	\$206,496
<u>Operating Expenses</u>									
16	440-4010-539.34-10	Other Contractual Service	\$1,157	Contractual	\$1,203	\$1,251	\$1,301	\$1,353	\$1,407
17	440-4010-539.40-10	Travel & Per Diem	1,700	Inflation	1,736	1,778	1,822	1,868	1,914
18	440-4010-539.41-10	Telephone	0	Inflation	0	0	0	0	0
19	440-4010-539.41-20	Internet	1,611	Inflation	1,645	1,685	1,727	1,770	1,814
20	440-4010-539.41-40	Postage	0	Inflation	0	0	0	0	0
21	440-4010-539.43-10	Electric	1,744	Electricity	1,831	1,923	2,019	2,120	2,226
22	440-4010-539.46-10	Repair & Maintenance	916	Repair	943	971	1,000	1,030	1,061
23	440-4010-539.46-20	Fleet Charges	497	Repair	512	528	544	560	577
24	440-4010-539.47-20	Copier	2,965	Inflation	3,027	3,100	3,177	3,256	3,338
25	440-4010-539.49-01	Cost Allocation [2]	173,226	Labor	178,422	183,775	189,288	194,967	200,816
26	440-4010-539.49-10	Other Charges/Obligations	87	Inflation	89	91	93	96	98
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	654	Inflation	668	684	701	718	736
29	440-4010-539.52-10	Operating Supplies	1,199	Inflation	1,224	1,254	1,285	1,317	1,350
30	440-4010-539.52-20	Unleaded & Diesel	443	Fuel	466	489	513	539	566
31	440-4010-539.52-30	Uniforms	305	Inflation	312	319	327	335	344
32	440-4010-539.54-10	Books, Pubs, Subs, & Mem	3,604	Inflation	3,680	3,768	3,862	3,959	4,058
33	440-4010-539.54-20	Educational Development	1,504	Inflation	1,536	1,573	1,612	1,652	1,693
34		Subtotal Operating Expenses	\$191,613		\$197,294	\$203,187	\$209,272	\$215,541	\$221,999
35		Total Administration Department	\$370,984		\$375,068	\$387,613	\$400,687	\$414,303	\$428,494
440-4030-533 Water Department									
36	440-4030-533.12-10	Regular Salaries	\$495,065	Labor	\$509,917	\$525,214	\$540,971	\$557,200	\$573,916
37	AddPerWater	Additional Personnel	0	Input	90,519	93,235	96,032	98,913	101,880
38	440-4030-533.12-20	DC ICMA	20,411	Labor	21,023	21,654	22,304	22,973	23,662
39	440-4030-533.14-10	Overtime	302	Labor	311	320	330	340	350
40	440-4030-533.15-30	Cell Phone	905	Inflation	924	946	970	994	1,019
41	440-4030-533.15-60	Boot Allowance	1,250	Inflation	1,276	1,307	1,340	1,373	1,407
42	440-4030-533.21-10	FICA Taxes	26,592	Labor	27,390	28,211	29,058	29,930	30,827
43	440-4030-533.21-20	Medicare	6,219	Labor	6,406	6,598	6,796	7,000	7,210
44	440-4030-533.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
45	440-4030-533.22-20	DCSE	33,517	Labor	34,523	35,558	36,625	37,724	38,855
46	440-4030-533.23-10	Life Insurance	2,264	General-Ins	2,264	2,264	2,264	2,264	2,264
47	440-4030-533.23-20	Group Medical Insurance	126,425	Health-Ins	96,083	105,691	116,260	127,886	140,675
48	440-4030-533.23-30	Dental Insurance	3,298	Health-Ins	2,506	2,757	3,033	3,336	3,670
49	440-4030-533.23-40	Long Term Disability	4,026	Health-Ins	3,060	3,366	3,702	4,073	4,480
50	440-4030-533.23-90	OPEB Expense	6,346	Marginal	6,409	6,473	6,538	6,603	6,670
51	440-4030-533.24-10	Worker's Compensation	19,924	Labor	20,522	21,137	21,771	22,425	23,097
52		Subtotal Personnel Expenses	\$746,544		\$823,133	\$854,733	\$887,993	\$923,032	\$959,982
<u>Operating Expenses</u>									
53	440-4030-533.31-10	Professional Services	\$9,795	Contractual	\$10,187	\$10,594	\$11,018	\$11,459	\$11,917
54	440-4030-533.34-10	Other Contractual Service	94,705	Contractual	98,493	102,433	106,530	110,791	115,223
55	440-4030-533.40-10	Travel & Per Diem	1,100	Inflation	1,123	1,150	1,179	1,208	1,238
56	440-4030-533.41-10	Telephone	0	Inflation	0	0	0	0	0
57	440-4030-533.41-11	Cell Phone	0	Inflation	0	0	0	0	0
58	440-4030-533.41-15	Cellular	750	Inflation	766	784	804	824	844
59	440-4030-533.41-20	Internet	1,416	Inflation	1,446	1,480	1,517	1,555	1,594
60	440-4030-533.41-30	Legal Ads	0	Inflation	0	0	0	0	0
61	440-4030-533.41-40	Postage	10,000	Inflation	10,210	10,455	10,716	10,984	11,259
62	440-4030-533.43-10	Electric	150,000	W-Elec	157,813	166,033	174,681	183,778	193,347
63	440-4030-533.44-10	Rent	1,310	Inflation	1,338	1,370	1,404	1,439	1,475
64	440-4030-533.46-10	Repair & Maintenance	97,276	Repair	100,194	103,200	106,296	109,485	112,770
65	440-4030-533.46-20	Fleet Charges	2,283	Repair	2,351	2,422	2,495	2,570	2,647
66	440-4030-533.47-10	Printing & Binding	200	Inflation	204	209	214	220	225

**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] 2018	Escalation Factor	Projected 2019	Fiscal Year Ending September 30th,			
						2020	2021	2022	2023
67	440-4030-533.47-20	Copier	500	Inflation	511	523	536	549	563
68	440-4030-533.48-10	Promotional Activities	5,175	Inflation	5,284	5,410	5,546	5,684	5,826
69	440-4030-533.49-01	Cost Allocation [2]	133,973	Labor	137,992	142,132	146,396	150,788	155,311
70	440-4030-533.49-10	Other Charges/Obligations	21,000	Inflation	21,441	21,956	22,504	23,067	23,644
71	440-4030-533.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
72	440-4030-533.51-10	Office Supplies	650	Inflation	664	680	697	714	732
73	440-4030-533.52-10	Operating Supplies	25,680	Inflation	26,219	26,849	27,520	28,208	28,913
74	440-4030-533.52-20	Unleaded & Diesel	1,849	Fuel	1,941	2,039	2,140	2,247	2,360
75	440-4030-533.52-25	Bulk Fuel	6,000	Fuel	6,300	6,615	6,946	7,293	7,658
76	440-4030-533.52-30	Uniforms	1,550	Inflation	1,583	1,621	1,661	1,703	1,745
77	440-4030-533.52-50	Chemical	358,305	W-Chem	376,969	396,604	417,260	438,989	461,849
78	440-4030-533.54-10	Books, Pubs, Subs, & Mem	1,120	Inflation	1,144	1,171	1,200	1,230	1,261
79	440-4030-533.54-20	Educational Development	1,150	Inflation	1,174	1,202	1,232	1,263	1,295
80		Subtotal Operating Expenses	\$925,787		\$965,347	\$1,006,931	\$1,050,492	\$1,096,049	\$1,143,697
81		Total Water Department	\$1,672,331		\$1,788,479	\$1,861,664	\$1,938,485	\$2,019,081	\$2,103,679
440-4040-535 Wastewater Department									
82	440-4040-535.12-10	Regular Salaries	\$0	Labor	\$0	\$0	\$0	\$0	\$0
83	AddPerWastewater	Additional Personnel	0	Input	0	0	0	0	0
84	440-4040-535.13-10	Other Salaries	0	Labor	0	0	0	0	0
85	440-4040-535.14-10	Overtime	0	Labor	0	0	0	0	0
86	440-4040-535.15-30	Cell Phone	0	Inflation	0	0	0	0	0
87	440-4040-535.15-40	Insurance Payback	0	Health-Ins	0	0	0	0	0
88	440-4040-535.15-60	Boot Allowance	0	Inflation	0	0	0	0	0
89	440-4040-535.21-10	FICA Taxes	0	Labor	0	0	0	0	0
90	440-4040-535.21-20	Medicare	0	Labor	0	0	0	0	0
91	440-4040-535.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
92	440-4040-535.22-20	DCSE	0	Inflation	0	0	0	0	0
93	440-4040-535.23-10	Life Insurance	0	General-Ins	0	0	0	0	0
94	440-4040-535.23-20	Group Medical Insurance	0	Health-Ins	0	0	0	0	0
95	440-4040-535.23-30	Dental Insurance	0	Health-Ins	0	0	0	0	0
96	440-4040-535.23-40	Long Term Disability	0	Health-Ins	0	0	0	0	0
97	440-4040-535.23-90	OPEB	0	Marginal	0	0	0	0	0
98	440-4040-535.24-10	Worker's Compensation	0	Labor	0	0	0	0	0
99		Subtotal Personnel Expenses	\$0		\$0	\$0	\$0	\$0	\$0
Operating Expenses									
100	440-4040-535.31-10	Professional Services	\$0	Contractual	\$0	\$0	\$0	\$0	\$0
101	440-4040-535.34-10	Other Contractual Service	0	Contractual	0	0	0	0	0
102	440-4040-535.40-10	Travel & Per Diem	0	Inflation	0	0	0	0	0
103	440-4040-535.41-10	Telephone	0	Inflation	0	0	0	0	0
104	440-4040-535.41-15	Cellular	0	Inflation	0	0	0	0	0
105	440-4040-535.41-20	Internet	0	Inflation	0	0	0	0	0
106	440-4040-535.41-30	Legal Ads	0	Inflation	0	0	0	0	0
107	440-4040-535.41-40	Postage	0	Inflation	0	0	0	0	0
108	440-4040-535.43-10	Electric	0	WW-Elec	0	0	0	0	0
109	440-4040-535.43-30	Water / Sewer / Trash	0	Inflation	0	0	0	0	0
110	440-4040-535.44-10	Rent	0	Inflation	0	0	0	0	0
111	440-4040-535.46-10	Repair & Maintenance	0	Repair	0	0	0	0	0
112	440-4040-535.46-20	Fleet Charges	0	Repair	0	0	0	0	0
113	440-4040-535.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
114	440-4040-535.47-20	Copier	0	Inflation	0	0	0	0	0
115	440-4040-535.48-10	Promotional Activities	0	Inflation	0	0	0	0	0
116	440-4040-535.49-01	Cost Allocation [2]	0	Labor	0	0	0	0	0
117	440-4040-535.49-10	Other Charges/Obligations	0	Inflation	0	0	0	0	0
118	440-4040-535.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
119	440-4040-535.51-10	Office Supplies	0	Inflation	0	0	0	0	0
120	440-4040-535.52-10	Operating Supplies	0	Inflation	0	0	0	0	0
121	440-4040-535.52-20	Unleaded & Diesel	0	Fuel	0	0	0	0	0
122	440-4040-535.52-25	Bulk Fuel	0	Fuel	0	0	0	0	0
123	440-4040-535.52-30	Uniforms	0	Inflation	0	0	0	0	0
124	440-4040-535.52-50	Chemical	0	WW-Chem	0	0	0	0	0
125	440-4040-535.54-10	Books, Pubs, Subs, & Mem	0	Inflation	0	0	0	0	0
126	440-4040-535.54-20	Educational Development	0	Inflation	0	0	0	0	0
127		Subtotal Operating Expenses	\$0		\$0	\$0	\$0	\$0	\$0
128		Total Wastewater Department	\$0		\$0	\$0	\$0	\$0	\$0
440-4050-539 Wastewater Collections									
129	440-4050-539.12-10	Regular Salaries	\$0	Labor	\$0	\$0	\$0	\$0	\$0
130	AddPerCollections	Additional Personnel	0	Input	0	0	0	0	0
131	440-4050-539.14-10	Overtime	0	Labor	0	0	0	0	0
132	440-4050-539.15-30	Cell Phone	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] 2018	Escalation Factor	Projected 2019	Fiscal Year Ending September 30th,			
						2020	2021	2022	2023
133	440-4050-539.15-60	Boot Allowance	0	Inflation	0	0	0	0	0
134	440-4050-539.21-10	FICA Taxes	0	Labor	0	0	0	0	0
135	440-4050-539.21-20	Medicare	0	Labor	0	0	0	0	0
136	440-4050-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
137	440-4050-539.22-20	DCSE	0	Labor	0	0	0	0	0
138	440-4050-539.23-10	Life Insurance	0	General-Ins	0	0	0	0	0
139	440-4050-539.23-20	Group Medical Insurance	0	Health-Ins	0	0	0	0	0
140	440-4050-539.23-30	Dental Insurance	0	Health-Ins	0	0	0	0	0
141	440-4050-539.23-40	Long Term Disability	0	Health-Ins	0	0	0	0	0
142	440-4050-539.23-90	OPEB Expense	0	Marginal	0	0	0	0	0
143	440-4050-539.24-10	Worker's Compensation	0	Labor	0	0	0	0	0
144		Subtotal Personnel Expenses	\$0		\$0	\$0	\$0	\$0	\$0
		<u>Operating Expenses</u>							
145	440-4050-539.34-10	Other Contractual Service	\$0	Contractual	\$0	\$0	\$0	\$0	\$0
146	440-4050-539.40-10	Travel & Per Diem	0	Inflation	0	0	0	0	0
147	440-4050-539.41-10	Telephone	0	Inflation	0	0	0	0	0
148	440-4050-539.41-15	Cellular	0	Inflation	0	0	0	0	0
149	440-4050-539.41-20	Internet	0	Inflation	0	0	0	0	0
150	440-4050-539.43-10	Electric	0	WW-Elec	0	0	0	0	0
151	440-4050-539.43-30	Water / Sewer / Trash	0	Inflation	0	0	0	0	0
152	440-4050-539.44-10	Rent	0	Inflation	0	0	0	0	0
153	440-4050-539.46-10	Repair & Maintenance	0	Repair	0	0	0	0	0
154	440-4050-539.46-20	Fleet Charges	0	Repair	0	0	0	0	86
155	440-4050-539.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
156	440-4050-539.47-20	Copier	0	Inflation	0	0	0	0	0
157	440-4050-539.49-01	Cost Allocation [2]	0	Labor	0	0	0	0	0
158	440-4050-539.49-10	Other Charges/Obligations	0	Inflation	0	0	0	0	0
159	440-4050-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
160	440-4050-539.51-10	Office Supplies	0	Inflation	0	0	0	0	0
161	440-4050-539.52-10	Operating Supplies	0	Inflation	0	0	0	0	0
162	440-4050-539.52-20	Unleaded & Diesel	0	Fuel	0	0	0	0	0
163	440-4050-539.52-30	Uniforms	0	Inflation	0	0	0	0	0
164	440-4050-539.52-50	Chemical	0	WW-Chem	0	0	0	0	0
165	440-4050-539.54-10	Books, Pubs, Subs, & Mem	0	Inflation	0	0	0	0	0
166	440-4050-539.54-20	Educational Development	0	Inflation	0	0	0	0	0
167		Subtotal Operating Expenses	\$0		\$0	\$0	\$0	\$0	\$0
168		Total Wastewater Collections	\$0		\$0	\$0	\$0	\$0	\$0
		440-4080-539							
		<u>Field Operations</u>							
169	440-4080-539.12-10	Regular Salaries	\$298,751	Labor	\$307,714	\$316,945	\$326,454	\$336,247	\$346,335
170	AddPerFieldOps	Additional Personnel	15,552	Input	62,458	64,332	66,262	68,250	70,297
171	440-4080-539.12-20	DC ICMA	11,529	Labor	11,875	12,231	12,598	12,976	13,365
172	440-4080-539.14-10	Overtime	0	Labor	0	0	0	0	0
173	440-4080-539.15-30	Cell Phone	787	Inflation	804	823	843	865	886
174	440-4080-539.15-60	Boot Allowance	889	Inflation	908	929	953	977	1,001
175	440-4080-539.21-10	FICA Taxes	15,327	Labor	15,787	16,261	16,748	17,251	17,768
176	440-4080-539.21-20	Medicare	3,584	Labor	3,692	3,803	3,917	4,034	4,155
177	440-4080-539.22-20	DCSE	20,175	Labor	20,780	21,404	22,046	22,707	23,389
178	440-4080-539.23-10	Life Insurance	1,225	General-Ins	1,225	1,225	1,225	1,225	1,225
179	440-4080-539.23-20	Group Medical Insurance	94,815	Health-Ins	72,059	79,265	87,191	95,911	105,502
180	440-4080-539.23-30	Dental Insurance	2,378	Health-Ins	1,808	1,988	2,187	2,406	2,646
181	440-4080-539.23-40	Long Term Disability	2,370	Health-Ins	1,801	1,981	2,180	2,397	2,637
182	440-4080-539.23-90	OPEB Expense	3,493	Marginal	3,528	3,564	3,599	3,635	3,672
183	440-4080-539.24-10	Worker's Compensation	13,611	Labor	14,019	14,440	14,873	15,319	15,779
184		Subtotal Personnel Costs	\$484,487		\$518,458	\$539,190	\$561,076	\$584,199	\$608,657
		<u>Operating Expenses</u>							
185	440-4080-539.34-10	Other Contractual Service	\$324	Contractual	\$337	\$351	\$365	\$379	\$394
186	440-4080-539.40-10	Travel & Per Diem	1,475	Inflation	1,506	1,542	1,580	1,620	1,660
187	440-4080-539.41-10	Telephone	0	Inflation	0	0	0	0	0
188	440-4080-539.41-15	Cellular	474	Inflation	484	496	508	521	534
189	440-4080-539.41-20	Internet	235	Inflation	240	246	252	258	265
190	440-4080-539.41-40	Postage	0	Inflation	0	0	0	0	0
191	440-4080-539.44-10	Rent	593	Inflation	605	620	635	651	667
192	440-4080-539.46-10	Repair & Maintenance	80,307	Repair	82,716	85,198	87,754	90,386	93,098
193	440-4080-539.46-20	Fleet Charges	16,533	Repair	17,029	17,539	18,066	18,608	19,166
194	440-4080-539.49-01	Cost Allocation [2]	62,559	Labor	64,436	66,369	68,360	70,411	72,523
195	440-4080-539.49-10	Other Charges/Obligations	2,519	Inflation	2,572	2,633	2,699	2,767	2,836
196	440-4080-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
197	440-4080-539.51-10	Office Supplies	237	Inflation	242	248	254	260	267
198	440-4080-539.52-10	Operating Supplies	18,728	Inflation	19,122	19,581	20,070	20,572	21,086
199	440-4080-539.52-20	Unleaded & Diesel	16,165	Fuel	16,973	17,822	18,713	19,649	20,631
200	440-4080-539.52-30	Uniforms	1,019	Inflation	1,041	1,066	1,092	1,120	1,148

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] 2018	Escalation Factor	Projected 2019	Fiscal Year Ending September 30th,			
						2020	2021	2022	2023
201	440-4080-539.54-10	Books, Pubs, Subs, & Mem	18	Inflation	18	19	19	20	20
202	440-4080-539.54-20	Educational Development	1,600	Inflation	1,634	1,673	1,715	1,758	1,802
203		Subtotal Operating Expenses	<u>\$202,786</u>		<u>\$208,954</u>	<u>\$215,401</u>	<u>\$222,083</u>	<u>\$228,979</u>	<u>\$236,097</u>
204		Total Field Operations	<u>\$687,274</u>		<u>\$727,412</u>	<u>\$754,592</u>	<u>\$783,158</u>	<u>\$813,178</u>	<u>\$844,754</u>
440-5555-580, 581, 589 Non-Departmental [4]									
205	440-5555-580.22-10	Retirement Contributions	\$160,180	Labor	\$164,985	\$169,935	\$175,033	\$180,284	\$185,693
206	440-5555-580.23-80	PTO Expense	0	Eliminate	0	0	0	0	0
207	440-5555-580.31-10	Professional Services	9,292	Eliminate	0	0	0	0	0
208	440-5555-580.32-10	Accounting & Auditing	0	Eliminate	0	0	0	0	0
209	440-5555-580.45-10	General Liability	6,578	General-Ins	6,578	6,578	6,578	6,578	6,578
210	440-5555-580.45-15	Property	0	Eliminate	0	0	0	0	0
211	440-5555-580.45-20	Public Officials	5,708	Labor	5,879	6,055	6,237	6,424	6,617
212	440-5555-580.45-25	Automobile	0	Eliminate	0	0	0	0	0
213	440-5555-580.45-35	Environmental Liability	1,664	Inflation	1,698	1,739	1,783	1,827	1,873
214	440-5555-580.49-10	Other Charges/Obligations	0	Inflation	0	0	0	0	0
215	440-5555-580.49-20	Bank Charges	0	Eliminate	0	0	0	0	0
216	440-5555-580.49-50	Write Off	0	Eliminate	0	0	0	0	0
217	440-5555-580.49-60	Hurricane Charges	0	Eliminate	0	0	0	0	0
218	440-5555-580.52-10	Operating Supplies	0	Eliminate	0	0	0	0	0
219	440-5555-580.59-10	Depreciation	0	Eliminate	0	0	0	0	0
220	440-5555-580.63-10	Improvements O/T Building	0	Eliminate	0	0	0	0	0
221	440-5555-580.64-10	Machinery & Equipment	0	Eliminate	0	0	0	0	0
222	440-5555-580.64-20	Motor Vehicles	0	Eliminate	0	0	0	0	0
223	440-5555-580.71-15	JCI Meters	0	Eliminate	0	0	0	0	0
224	440-5555-580.71-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
225	440-5555-580.71-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
226	440-5555-580.71-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
227	440-5555-580.71-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
228	440-5555-580.71-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
229	440-5555-580.72-13	BOA Obligation #265	0	Eliminate	0	0	0	0	0
230	440-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
231	440-5555-580.72-15	JCI Meters	0	Eliminate	0	0	0	0	0
232	440-5555-580.72-20	State Revolving Fund	0	Eliminate	0	0	0	0	0
233	440-5555-580.72-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
234	440-5555-580.72-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
235	440-5555-580.72-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
236	440-5555-580.72-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
237	440-5555-580.72-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
238	440-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
239	440-5555-580.73-11	2013 SunTrust JCI	0	Eliminate	0	0	0	0	0
240	440-5555-580.73-21	Bond Issuance Cost - SRF	0	Eliminate	0	0	0	0	0
241	440-5555-580.73-41	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
242	440-5555-580.73-42	Cap Imp Rev Note Srs 2014	0	Eliminate	0	0	0	0	0
243	440-5555-581.03-31	Capital Fund	0	Eliminate	0	0	0	0	0
244	440-5555-581.04-44	Renewal And Replacement	0	Eliminate	0	0	0	0	0
245	440-5555-581.04-45	Wtr/Swr Rate Stabilization	0	Eliminate	0	0	0	0	0
246	440-5555-581.04-50	Public Works Complex - Debt Service	0	Eliminate	0	0	0	0	0
247	440-5555-581.05-01	MIS	0	Eliminate	0	0	0	0	0
248	440-5555-589.50-50	Stabilization - Estimated Savings	0	Eliminate	0	0	0	0	0
249	440-5555-581.10-01	General Fund	0	Eliminate	0	0	0	0	0
250	440-5555-589.10-01	Current Year Unreserved	0	Eliminate	0	0	0	0	0
251		Total Non-Departmental	<u>\$183,421</u>		<u>\$179,140</u>	<u>\$184,307</u>	<u>\$189,630</u>	<u>\$195,113</u>	<u>\$200,760</u>
Other Adjustments									
252	Contingency	Contingency - 1.00% of O&M [5]	\$29,140	Input	\$30,701	\$31,882	\$33,120	\$34,417	\$35,777
253	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [6]	10,951	Input	11,898	12,998	14,200	14,780	15,258
254	Other	Other Adjustments - Retirement Benefits	0	W-Op	0	0	0	0	0
255		Total Other Adjustments	<u>\$40,091</u>		<u>\$42,599</u>	<u>\$44,880</u>	<u>\$47,320</u>	<u>\$49,197</u>	<u>\$51,035</u>
256		Grand Total Operating Budget	<u><u>\$2,954,100</u></u>		<u><u>\$3,112,699</u></u>	<u><u>\$3,233,056</u></u>	<u><u>\$3,359,280</u></u>	<u><u>\$3,490,873</u></u>	<u><u>\$3,628,722</u></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 1-10
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Wastewater System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2018	Escalation Factor	Projected 2019	Fiscal Year Ending September 30th,			
						2020	2021	2022	2023
440-4010-539 Administration Department									
1	440-4010-539.12-10	Regular Salaries	\$158,942	Labor	\$163,710	\$168,621	\$173,680	\$178,890	\$184,257
2	440-4010-539.14-10	Overtime	0	Labor	0	0	0	0	0
3	440-4010-539.15-30	Cell Phone	1,118	Inflation	1,141	1,169	1,198	1,228	1,259
4	440-4010-539.15-60	Boot Allowance	71	Inflation	72	74	76	77	79
5	440-4010-539.21-10	FICA Taxes	9,131	Labor	9,405	9,688	9,978	10,278	10,586
6	440-4010-539.21-20	Medicare	2,135	Labor	2,199	2,265	2,333	2,403	2,475
7	440-4010-539.22-10	Retirement Contributions	10,235	Labor	10,542	10,858	11,184	11,519	11,865
8	440-4010-539.22-20	DCSE	14,556	Labor	14,992	15,442	15,905	16,383	16,874
9	440-4010-539.23-10	Life Insurance	741	General-Ins	741	741	741	741	741
10	440-4010-539.23-20	Group Medical Insurance	30,635	Health-Ins	23,283	25,611	28,172	30,989	34,088
11	440-4010-539.23-30	Dental Insurance	1,251	Health-Ins	951	1,046	1,150	1,265	1,392
12	440-4010-539.23-40	Long Term Disability	1,311	Health-Ins	997	1,096	1,206	1,327	1,459
13	440-4010-539.23-90	OPEB Expense	1,528	Marginal	1,543	1,559	1,575	1,590	1,606
14	440-4010-539.24-10	Worker's Compensation	396	Labor	408	420	433	446	459
15		Subtotal Personnel Expenses	\$232,050		\$229,984	\$238,589	\$247,630	\$257,136	\$267,140
<u>Operating Expenses</u>									
16	440-4010-539.34-10	Other Contractual Service	1,496	Contractual	\$1,556	1,618	1,683	1,751	1,821
17	440-4010-539.40-10	Travel & Per Diem	2,200	Inflation	2,246	2,300	2,357	2,416	2,477
18	440-4010-539.41-10	Telephone	0	Inflation	0	0	0	0	0
19	440-4010-539.41-20	Internet	2,085	Inflation	2,128	2,179	2,234	2,290	2,347
20	440-4010-539.41-40	Postage	0	Inflation	0	0	0	0	0
21	440-4010-539.43-10	Electric	2,256	Electricity	2,369	2,487	2,612	2,742	2,879
22	440-4010-539.46-10	Repair & Maintenance	1,184	Repair	1,220	1,257	1,294	1,333	1,373
23	440-4010-539.46-20	Fleet Charges	644	Repair	663	683	703	724	746
24	440-4010-539.47-20	Copier	3,835	Inflation	3,916	4,010	4,110	4,213	4,318
25	440-4010-539.49-01	Cost Allocation [2]	224,099	Labor	230,822	237,747	244,879	252,226	259,793
26	440-4010-539.49-10	Other Charges/Obligations	113	Inflation	115	118	121	124	127
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	846	Inflation	864	885	907	929	953
29	440-4010-539.52-10	Operating Supplies	1,551	Inflation	1,584	1,622	1,662	1,704	1,746
30	440-4010-539.52-20	Unleaded & Diesel	574	Fuel	602	632	664	697	732
31	440-4010-539.52-30	Uniforms	395	Inflation	403	413	423	434	445
32	440-4010-539.54-10	Books, Pubs, Subs, & Mem	4,663	Inflation	4,761	4,875	4,997	5,122	5,250
33	440-4010-539.54-20	Educational Development	1,946	Inflation	1,987	2,034	2,085	2,137	2,191
34		Subtotal Operating Expenses	\$247,886		\$255,236	\$262,860	\$270,732	\$278,842	\$287,197
35		Total Administration Department	\$479,936		\$485,220	\$501,449	\$518,362	\$535,978	\$554,337
440-4030-533 Water Department									
36	440-4030-533.12-10	Regular Salaries	\$0	Labor	\$0	\$0	\$0	\$0	\$0
37	440-4030-533.12-20	AddPerWater	0	Input	0	0	0	0	0
38	440-4030-533.12-20	DC ICMA	0	Labor	0	0	0	0	0
39	440-4030-533.14-10	Overtime	0	Labor	0	0	0	0	0
40	440-4030-533.15-30	Cell Phone	0	Inflation	0	0	0	0	0
41	440-4030-533.15-60	Boot Allowance	0	Inflation	0	0	0	0	0
42	440-4030-533.21-10	FICA Taxes	0	Labor	0	0	0	0	0
43	440-4030-533.21-20	Medicare	0	Labor	0	0	0	0	0
44	440-4030-533.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
45	440-4030-533.22-20	DCSE	0	Labor	0	0	0	0	0
46	440-4030-533.23-10	Life Insurance	0	General-Ins	0	0	0	0	0
47	440-4030-533.23-20	Group Medical Insurance	0	Health-Ins	0	0	0	0	0
48	440-4030-533.23-30	Dental Insurance	0	Health-Ins	0	0	0	0	0
49	440-4030-533.23-40	Long Term Disability	0	Health-Ins	0	0	0	0	0
50	440-4030-533.23-90	OPEB Expense	0	Marginal	0	0	0	0	0
51	440-4030-533.24-10	Worker's Compensation	0	Labor	0	0	0	0	0
52		Subtotal Personnel Expenses	\$0		\$0	\$0	\$0	\$0	\$0
<u>Operating Expenses</u>									
53	440-4030-533.31-10	Professional Services	\$0	Contractual	\$0	\$0	\$0	\$0	\$0
54	440-4030-533.34-10	Other Contractual Service	0	Contractual	0	0	0	0	0
55	440-4030-533.40-10	Travel & Per Diem	0	Inflation	0	0	0	0	0
56	440-4030-533.41-10	Telephone	0	Inflation	0	0	0	0	0
57	440-4030-533.41-11	Cell Phone	0	Inflation	0	0	0	0	0
58	440-4030-533.41-15	Cellular	0	Inflation	0	0	0	0	0
59	440-4030-533.41-20	Internet	0	Inflation	0	0	0	0	0
60	440-4030-533.41-30	Legal Ads	0	Inflation	0	0	0	0	0
61	440-4030-533.41-40	Postage	0	Inflation	0	0	0	0	0
62	440-4030-533.43-10	Electric	0	W-Elec	0	0	0	0	0
63	440-4030-533.44-10	Rent	0	Inflation	0	0	0	0	0
64	440-4030-533.46-10	Repair & Maintenance	0	Repair	0	0	0	0	0
65	440-4030-533.46-20	Fleet Charges	0	Repair	0	0	0	0	0
66	440-4030-533.47-10	Printing & Binding	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] 2018	Escalation Factor	Projected 2019	Fiscal Year Ending September 30th,			
						2020	2021	2022	2023
67	440-4030-533.47-20	Copier	0	Inflation	0	0	0	0	0
68	440-4030-533.48-10	Promotional Activities	0	Inflation	0	0	0	0	0
69	440-4030-533.49-01	Cost Allocation [2]	0	Labor	0	0	0	0	0
70	440-4030-533.49-10	Other Charges/Obligations	0	Inflation	0	0	0	0	0
71	440-4030-533.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
72	440-4030-533.51-10	Office Supplies	0	Inflation	0	0	0	0	0
73	440-4030-533.52-10	Operating Supplies	0	Inflation	0	0	0	0	0
74	440-4030-533.52-20	Unleaded & Diesel	0	Fuel	0	0	0	0	0
75	440-4030-533.52-25	Bulk Fuel	0	Fuel	0	0	0	0	0
76	440-4030-533.52-30	Uniforms	0	Inflation	0	0	0	0	0
77	440-4030-533.52-50	Chemical	0	W-Chem	0	0	0	0	0
78	440-4030-533.54-10	Books, Pubs, Subs, & Mem	0	Inflation	0	0	0	0	0
79	440-4030-533.54-20	Educational Development	0	Inflation	0	0	0	0	0
80		Subtotal Operating Expenses	\$0		\$0	\$0	\$0	\$0	\$0
81		Total Water Department	\$0		\$0	\$0	\$0	\$0	\$0
440-4040-535 Wastewater Department									
82	440-4040-535.12-10	Regular Salaries	\$642,796	Labor	\$662,080	\$681,942	\$702,401	\$723,473	\$745,177
83	AddPerWastewater	Additional Personnel	0	Input	0	93,235	96,032	98,913	101,880
84	440-4040-535.13-10	Other Salaries	0	Labor	0	0	0	0	0
85	440-4040-535.14-10	Overtime	0	Labor	0	0	0	0	0
86	440-4040-535.15-30	Cell Phone	1,750	Inflation	1,787	1,830	1,875	1,922	1,970
87	440-4040-535.15-40	Insurance Payback	4,829	Health-Ins	3,670	4,037	4,441	4,885	5,373
88	440-4040-535.15-60	Boot Allowance	1,500	Inflation	1,532	1,568	1,607	1,648	1,689
89	440-4040-535.21-10	FICA Taxes	33,953	Labor	34,972	36,021	37,101	38,214	39,361
90	440-4040-535.21-20	Medicare	7,941	Labor	8,179	8,425	8,677	8,938	9,206
91	440-4040-535.22-10	Retirement Contributions	22,851	Labor	23,537	24,243	24,970	25,719	26,491
92	440-4040-535.22-20	DCSE	60,872	Inflation	62,150	63,642	65,233	66,864	68,535
93	440-4040-535.23-10	Life Insurance	2,845	General-Ins	2,845	2,845	2,845	2,845	2,845
94	440-4040-535.23-20	Group Medical Insurance	150,585	Health-Ins	114,445	125,889	138,478	152,326	167,558
95	440-4040-535.23-30	Dental Insurance	4,114	Health-Ins	3,127	3,439	3,783	4,162	4,578
96	440-4040-535.23-40	Long Term Disability	5,077	Health-Ins	3,859	4,244	4,669	5,136	5,649
97	440-4040-535.23-90	OPEB	7,527	Marginal	7,603	7,679	7,755	7,833	7,911
98	440-4040-535.24-10	Worker's Compensation	22,904	Labor	23,591	24,299	25,028	25,779	26,552
99		Subtotal Personnel Expenses	\$969,544		\$953,374	\$1,083,337	\$1,124,896	\$1,168,654	\$1,214,775
Operating Expenses									
100	440-4040-535.31-10	Professional Services	45,000	Contractual	\$46,800	48,672	50,619	52,644	54,749
101	440-4040-535.34-10	Other Contractual Service	223,530	Contractual	232,471	241,770	251,441	261,498	271,958
102	440-4040-535.40-10	Travel & Per Diem	4,950	Inflation	5,054	5,175	5,305	5,437	5,573
103	440-4040-535.41-10	Telephone	0	Inflation	0	0	0	0	0
104	440-4040-535.41-15	Cellular	375	Inflation	383	392	402	412	422
105	440-4040-535.41-20	Internet	1,075	Inflation	1,098	1,124	1,152	1,181	1,210
106	440-4040-535.41-30	Legal Ads	0	Inflation	0	0	0	0	0
107	440-4040-535.41-40	Postage	10,000	Inflation	10,210	10,455	10,716	10,984	11,259
108	440-4040-535.43-10	Electric	175,000	WW-Elec	184,294	194,081	204,385	215,234	226,658
109	440-4040-535.43-30	Water / Sewer / Trash	13,963	Inflation	14,256	14,598	14,963	15,337	15,721
110	440-4040-535.44-10	Rent	5,640	Inflation	5,758	5,897	6,044	6,195	6,350
111	440-4040-535.46-10	Repair & Maintenance	127,650	Repair	131,480	135,424	139,487	143,671	147,981
112	440-4040-535.46-20	Fleet Charges	5,566	Repair	5,733	5,905	6,082	6,265	6,453
113	440-4040-535.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
114	440-4040-535.47-20	Copier	2,100	Inflation	2,144	2,196	2,250	2,307	2,364
115	440-4040-535.48-10	Promotional Activities	1,550	Inflation	1,583	1,621	1,661	1,703	1,745
116	440-4040-535.49-01	Cost Allocation [2]	144,450	Labor	148,784	153,247	157,844	162,580	167,457
117	440-4040-535.49-10	Other Charges/Obligations	7,300	Inflation	7,453	7,632	7,823	8,019	8,219
118	440-4040-535.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
119	440-4040-535.51-10	Office Supplies	1,000	Inflation	1,021	1,046	1,072	1,098	1,126
120	440-4040-535.52-10	Operating Supplies	53,640	Inflation	54,766	56,081	57,483	58,920	60,393
121	440-4040-535.52-20	Unleaded & Diesel	2,404	Fuel	2,524	2,650	2,783	2,922	3,068
122	440-4040-535.52-25	Bulk Fuel	3,000	Fuel	3,150	3,308	3,473	3,647	3,829
123	440-4040-535.52-30	Uniforms	1,600	Inflation	1,634	1,673	1,715	1,757	1,801
124	440-4040-535.52-50	Chemical	130,500	WW-Chem	137,431	144,729	152,413	160,503	169,022
125	440-4040-535.54-10	Books, Pubs, Subs, & Mem	440	Inflation	449	460	472	483	495
126	440-4040-535.54-20	Educational Development	6,000	Inflation	6,126	6,273	6,430	6,591	6,755
127		Subtotal Operating Expenses	\$966,733		\$1,004,602	\$1,044,407	\$1,086,013	\$1,129,388	\$1,174,610
128		Total Wastewater Department	\$1,936,277		\$1,957,976	\$2,127,744	\$2,210,909	\$2,298,042	\$2,389,385
440-4050-539 Wastewater Collections									
129	440-4050-539.12-10	Regular Salaries	\$178,829	Labor	\$184,194	\$189,720	\$195,411	\$201,274	\$207,312
130	AddPerCollections	Additional Personnel	0	Input	0	47,563	48,990	50,460	51,974
131	440-4050-539.14-10	Overtime	0	Labor	0	0	0	0	0
132	440-4050-539.15-30	Cell Phone	905	Inflation	924	946	970	994	1,019

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] 2018	Escalation Factor	Projected 2019	Fiscal Year Ending September 30th.			
						2020	2021	2022	2023
133	440-4050-539.15-60	Boot Allowance	625	Inflation	638	653	670	687	704
134	440-4050-539.21-10	FICA Taxes	9,026	Labor	9,297	9,576	9,863	10,159	10,464
135	440-4050-539.21-20	Medicare	2,111	Labor	2,174	2,240	2,307	2,376	2,447
136	440-4050-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
137	440-4050-539.22-20	DCSE	18,984	Labor	19,554	20,140	20,744	21,367	22,008
138	440-4050-539.23-10	Life Insurance	797	General-Ins	797	797	797	797	797
139	440-4050-539.23-20	Group Medical Insurance	55,306	Health-Ins	42,033	46,236	50,859	55,945	61,540
140	440-4050-539.23-30	Dental Insurance	1,553	Health-Ins	1,180	1,298	1,428	1,571	1,728
141	440-4050-539.23-40	Long Term Disability	1,416	Health-Ins	1,076	1,184	1,302	1,432	1,576
142	440-4050-539.23-90	OPEB Expense	2,175	Marginal	2,197	2,219	2,241	2,264	2,286
143	440-4050-539.24-10	Worker's Compensation	5,946	Labor	6,124	6,308	6,497	6,692	6,893
144		Subtotal Personnel Expenses	\$277,673		\$270,188	\$328,880	\$342,080	\$356,017	\$370,747
		Operating Expenses							
145	440-4050-539.34-10	Other Contractual Service	213	Contractual	\$222	230	240	249	259
146	440-4050-539.40-10	Travel & Per Diem	3,150	Inflation	3,216	3,293	3,376	3,460	3,547
147	440-4050-539.41-10	Telephone	0	Inflation	0	0	0	0	0
148	440-4050-539.41-15	Cellular	375	Inflation	383	392	402	412	422
149	440-4050-539.41-20	Internet	359	Inflation	367	375	385	394	404
150	440-4050-539.43-10	Electric	71,000	WW-Elec	74,771	78,741	82,922	87,324	91,958
151	440-4050-539.43-30	Water / Sewer / Trash	352	Inflation	359	368	377	387	396
152	440-4050-539.44-10	Rent	500	Inflation	511	523	536	549	563
153	440-4050-539.46-10	Repair & Maintenance	90,000	Repair	80,000	82,400	84,872	87,418	90,041
154	440-4050-539.46-20	Fleet Charges	12,566	Repair	12,943	13,331	13,731	14,143	14,567
155	440-4050-539.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
156	440-4050-539.47-20	Copier	500	Inflation	511	523	536	549	563
157	440-4050-539.49-01	Cost Allocation [2]	47,954	Labor	49,393	50,874	52,401	53,973	55,592
158	440-4050-539.49-10	Other Charges/Obligations	2,075	Inflation	2,119	2,169	2,224	2,279	2,336
159	440-4050-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
160	440-4050-539.51-10	Office Supplies	500	Inflation	511	523	536	549	563
161	440-4050-539.52-10	Operating Supplies	20,250	Inflation	20,675	21,171	21,701	22,243	22,799
162	440-4050-539.52-20	Unleaded & Diesel	13,407	Fuel	14,077	14,781	15,520	16,296	17,111
163	440-4050-539.52-30	Uniforms	800	Inflation	817	836	857	879	901
164	440-4050-539.52-50	Chemical	40,000	WW-Chem	42,124	44,361	46,717	49,196	51,807
165	440-4050-539.54-10	Books, Pubs, Subs, & Mem	400	Inflation	408	418	429	439	450
166	440-4050-539.54-20	Educational Development	1,000	Inflation	1,021	1,046	1,072	1,098	1,126
167		Subtotal Operating Expenses	\$305,401		\$304,426	\$316,358	\$328,831	\$341,839	\$355,407
168		Total Wastewater Collections	\$583,074		\$574,614	\$645,238	\$670,911	\$697,856	\$726,153
	440-4080-539	Field Operations							
169	440-4080-539.12-10	Regular Salaries	\$205,324	Labor	\$211,483	\$217,828	\$224,363	\$231,094	\$238,026
170	AddPerFieldOps	Additional Personnel	10,689	Input	62,458	44,214	45,540	46,906	48,313
171	440-4080-539.12-20	DC ICMA	7,923	Labor	8,161	8,406	8,658	8,918	9,185
172	440-4080-539.14-10	Overtime	0	Labor	0	0	0	0	0
173	440-4080-539.15-30	Cell Phone	541	Inflation	552	566	580	594	609
174	440-4080-539.15-60	Boot Allowance	611	Inflation	624	639	655	671	688
175	440-4080-539.21-10	FICA Taxes	10,534	Labor	10,850	11,175	11,511	11,856	12,212
176	440-4080-539.21-20	Medicare	2,464	Labor	2,537	2,614	2,692	2,773	2,856
177	440-4080-539.22-20	DCSE	13,866	Labor	14,282	14,710	15,152	15,606	16,074
178	440-4080-539.23-10	Life Insurance	842	General-Ins	842	842	842	842	842
179	440-4080-539.23-20	Group Medical Insurance	65,163	Health-Ins	49,524	54,477	59,924	65,917	72,508
180	440-4080-539.23-30	Dental Insurance	1,635	Health-Ins	1,242	1,367	1,503	1,654	1,819
181	440-4080-539.23-40	Long Term Disability	1,629	Health-Ins	1,238	1,362	1,498	1,648	1,813
182	440-4080-539.23-90	OPEB Expense	2,401	Marginal	2,425	2,449	2,474	2,498	2,523
183	440-4080-539.24-10	Worker's Compensation	9,354	Labor	9,635	9,924	10,222	10,528	10,844
184		Subtotal Personnel Costs	\$332,975		\$375,854	\$370,571	\$385,612	\$401,504	\$418,313
		Operating Expenses							
185	440-4080-539.34-10	Other Contractual Service	223	Contractual	\$232	241	251	261	271
186	440-4080-539.40-10	Travel & Per Diem	1,013	Inflation	1,035	1,060	1,086	1,113	1,141
187	440-4080-539.41-10	Telephone	0	Inflation	0	0	0	0	0
188	440-4080-539.41-15	Cellular	326	Inflation	333	341	349	358	367
189	440-4080-539.41-20	Internet	162	Inflation	165	169	173	178	182
190	440-4080-539.41-40	Postage	0	Inflation	0	0	0	0	0
191	440-4080-539.46-10	Rent	407	Inflation	416	426	437	447	459
192	440-4080-539.46-10	Repair & Maintenance	55,193	Repair	56,849	58,554	60,311	62,120	63,984
193	440-4080-539.46-20	Fleet Charges	11,362	Repair	11,703	12,054	12,416	12,788	13,172
194	440-4080-539.49-01	Cost Allocation [2]	42,995	Labor	44,285	45,613	46,982	48,391	49,843
195	440-4080-539.49-10	Other Charges/Obligations	1,731	Inflation	1,767	1,810	1,855	1,902	1,949
196	440-4080-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
197	440-4080-539.51-10	Office Supplies	163	Inflation	166	170	175	179	183
198	440-4080-539.52-10	Operating Supplies	12,872	Inflation	13,142	13,457	13,794	14,139	14,492
199	440-4080-539.52-20	Unleaded & Diesel	11,110	Fuel	11,665	12,249	12,861	13,504	14,179
200	440-4080-539.52-30	Uniforms	701	Inflation	715	732	751	770	789

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] 2018	Escalation Factor	Projected 2019	Fiscal Year Ending September 30th,			
						2020	2021	2022	2023
201	440-4080-539.54-10	Books, Pubs, Subs, & Mem	12	Inflation	12	13	13	13	14
202	440-4080-539.54-20	Educational Development	1,100	Inflation	1,123	1,150	1,179	1,208	1,238
203		Subtotal Operating Expenses	\$139,370		\$143,609	\$148,039	\$152,631	\$157,371	\$162,263
204		Total Field Operations	\$472,345		\$519,463	\$518,610	\$538,243	\$558,875	\$580,576
440-5555-580, 581, 589 Non-Departmental [4]									
205	440-5555-580.22-10	Retirement Contributions	\$160,180	Labor	\$164,985	\$169,935	\$175,033	\$180,284	\$185,693
206	440-5555-580.23-80	PTO Expense	0	Eliminate	0	0	0	0	0
207	440-5555-580.31-10	Professional Services	11,367	Eliminate	0	0	0	0	0
208	440-5555-580.32-10	Accounting & Auditing	0	Eliminate	0	0	0	0	0
209	440-5555-580.45-10	General Liability	9,083	General-Ins	9,083	9,083	9,083	9,083	9,083
210	440-5555-580.45-15	Property	0	Eliminate	0	0	0	0	0
211	440-5555-580.45-20	Public Officials	6,982	Labor	7,192	7,407	7,630	7,859	8,094
212	440-5555-580.45-25	Automobile	0	Eliminate	0	0	0	0	0
213	440-5555-580.45-35	Environmental Liability	1,664	Inflation	1,698	1,739	1,783	1,827	1,873
214	440-5555-580.49-10	Other Charges/Obligations	0	Inflation	0	0	0	0	0
215	440-5555-580.49-20	Bank Charges	0	Eliminate	0	0	0	0	0
216	440-5555-580.49-50	Write Off	0	Eliminate	0	0	0	0	0
217	440-5555-580.49-60	Hurricane Charges	0	Eliminate	0	0	0	0	0
218	440-5555-580.52-10	Operating Supplies	0	Eliminate	0	0	0	0	0
219	440-5555-580.59-10	Depreciation	0	Eliminate	0	0	0	0	0
220	440-5555-580.63-10	Improvements O/T Building	0	Eliminate	0	0	0	0	0
221	440-5555-580.64-10	Machinery & Equipment	0	Eliminate	0	0	0	0	0
222	440-5555-580.64-20	Motor Vehicles	0	Eliminate	0	0	0	0	0
223	440-5555-580.71-15	JCI Meters	0	Eliminate	0	0	0	0	0
224	440-5555-580.71-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
225	440-5555-580.71-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
226	440-5555-580.71-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
227	440-5555-580.71-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
228	440-5555-580.71-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
229	440-5555-580.72-13	BOA Obligation #265	0	Eliminate	0	0	0	0	0
230	440-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
231	440-5555-580.72-15	JCI Meters	0	Eliminate	0	0	0	0	0
232	440-5555-580.72-20	State Revolving Fund	0	Eliminate	0	0	0	0	0
233	440-5555-580.72-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
234	440-5555-580.72-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
235	440-5555-580.72-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
236	440-5555-580.72-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
237	440-5555-580.72-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
238	440-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
239	440-5555-580.73-11	2013 SunTrust JCI	0	Eliminate	0	0	0	0	0
240	440-5555-580.73-21	Bond Issuance Cost - SRF	0	Eliminate	0	0	0	0	0
241	440-5555-580.73-41	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
242	440-5555-580.73-42	Cap Imp Rev Note Srs 2014	0	Eliminate	0	0	0	0	0
243	440-5555-581.03-31	Capital Fund	0	Eliminate	0	0	0	0	0
244	440-5555-581.04-44	Renewal And Replacement	0	Eliminate	0	0	0	0	0
245	440-5555-581.04-45	Wtr/Swr Rate Stabilization	0	Eliminate	0	0	0	0	0
246	440-5555-581.04-50	Public Works Complex - Debt Service	0	Eliminate	0	0	0	0	0
247	440-5555-581.05-01	MIS	0	Eliminate	0	0	0	0	0
248	440-5555-589.50-50	Stabilization - Estimated Savings	0	Eliminate	0	0	0	0	0
249	440-5555-581.10-01	General Fund	0	Eliminate	0	0	0	0	0
250	440-5555-589.10-01	Current Year Unreserved	0	Eliminate	0	0	0	0	0
251		Total Non-Departmental	\$189,276		\$182,959	\$188,165	\$193,529	\$199,053	\$204,743
Other Adjustments									
252	Contingency	Contingency - 1.00% of O&M [5]	\$36,609	Input	\$37,202	\$39,812	\$41,320	\$42,898	\$44,552
253	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [6]	13,661	Input	14,851	16,152	17,574	18,127	18,698
254	Other	Other Adjustments - Retirement Benefits	0	WW-Op	0	0	0	0	0
255		Total Other Adjustments	\$50,270		\$52,053	\$55,964	\$58,893	\$61,025	\$63,250
256		Grand Total Operating Budget	\$3,711,178		\$3,772,286	\$4,037,170	\$4,190,848	\$4,350,830	\$4,518,445

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] 2018	Escalation Factor	Projected 2019	Fiscal Year Ending September 30th,			
						2020	2021	2022	2023
	440-4010-539	<u>Administration Department</u>							
1	440-4010-539.12-10	Regular Salaries	\$281,801	Labor	\$290,255	\$298,963	\$307,932	\$317,170	\$326,685
2	440-4010-539.14-10	Overtime	0	Labor	0	0	0	0	0
3	440-4010-539.15-30	Cell Phone	1,982	Inflation	2,024	2,072	2,124	2,177	2,232
4	440-4010-539.15-60	Boot Allowance	125	Inflation	128	131	134	137	141
5	440-4010-539.21-10	FICA Taxes	16,190	Labor	16,676	17,176	17,691	18,222	18,769
6	440-4010-539.21-20	Medicare	3,786	Labor	3,900	4,017	4,137	4,261	4,389
7	440-4010-539.22-10	Retirement Contributions	18,146	Labor	18,690	19,251	19,829	20,423	21,036
8	440-4010-539.22-20	DCSE	25,807	Labor	26,581	27,379	28,200	29,046	29,917
9	440-4010-539.23-10	Life Insurance	1,313	General-Ins	1,313	1,313	1,313	1,313	1,313
10	440-4010-539.23-20	Group Medical Insurance	54,316	Health-Ins	41,280	45,408	49,949	54,944	60,438
11	440-4010-539.23-30	Dental Insurance	2,218	Health-Ins	1,686	1,854	2,040	2,244	2,468
12	440-4010-539.23-40	Long Term Disability	2,325	Health-Ins	1,767	1,944	2,138	2,352	2,587
13	440-4010-539.23-90	OPEB Expense	2,710	Marginal	2,737	2,764	2,792	2,820	2,848
14	440-4010-539.24-10	Worker's Compensation	702	Labor	723	745	767	790	814
15		Subtotal Personnel Expenses	\$411,421		\$407,759	\$423,016	\$439,045	\$455,899	\$473,636
		<u>Operating Expenses</u>							
16	440-4010-539.34-10	Other Contractual Service	\$2,653	Contractual	\$2,759	\$2,869	\$2,984	\$3,104	\$3,228
17	440-4010-539.40-10	Travel & Per Diem	3,900	Inflation	3,982	4,077	4,179	4,284	4,391
18	440-4010-539.41-10	Telephone	0	Inflation	0	0	0	0	0
19	440-4010-539.41-20	Internet	3,696	Inflation	3,774	3,864	3,961	4,060	4,161
20	440-4010-539.41-40	Postage	0	Inflation	0	0	0	0	0
21	440-4010-539.43-10	Electric	4,000	Electricity	4,200	4,410	4,631	4,862	5,105
22	440-4010-539.46-10	Repair & Maintenance	2,100	Repair	2,163	2,228	2,295	2,364	2,434
23	440-4010-539.46-20	Fleet Charges	1,141	Repair	1,175	1,210	1,247	1,284	1,323
24	440-4010-539.47-20	Copier	6,800	Inflation	6,943	7,109	7,287	7,469	7,656
25	440-4010-539.49-01	Cost Allocation [2]	397,325	Labor	409,245	421,522	434,168	447,193	460,609
26	440-4010-539.49-10	Other Charges/Obligations	200	Inflation	204	209	214	220	225
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	1,500	Inflation	1,532	1,568	1,607	1,648	1,689
29	440-4010-539.52-10	Operating Supplies	2,750	Inflation	2,808	2,875	2,947	3,021	3,096
30	440-4010-539.52-20	Unleaded & Diesel	1,017	Fuel	1,068	1,121	1,177	1,236	1,298
31	440-4010-539.52-30	Uniforms	700	Inflation	715	732	750	769	788
32	440-4010-539.54-10	Books, Pubs, Subs, & Mem	8,267	Inflation	8,441	8,643	8,859	9,081	9,308
33	440-4010-539.54-20	Educational Development	3,450	Inflation	3,522	3,607	3,697	3,790	3,884
34		Subtotal Operating Expenses	\$439,499		\$452,529	\$466,047	\$480,004	\$494,383	\$509,195
35		Total Administration Department	\$850,920		\$860,288	\$889,062	\$919,049	\$950,281	\$982,831
	440-4030-533	<u>Water Department</u>							
36	440-4030-533.12-10	Regular Salaries	\$495,065	Labor	\$509,917	\$525,214	\$540,971	\$557,200	\$573,916
37	AddPerWater	Additional Personnel	0	Input	90,519	93,235	96,032	98,913	101,880
38	440-4030-533.12-20	DC ICMA	20,411	Labor	21,023	21,654	22,304	22,973	23,662
39	440-4030-533.14-10	Overtime	302	Labor	311	320	330	340	350
40	440-4030-533.15-30	Cell Phone	905	Inflation	924	946	970	994	1,019
41	440-4030-533.15-60	Boot Allowance	1,250	Inflation	1,276	1,307	1,340	1,373	1,407
42	440-4030-533.21-10	FICA Taxes	26,592	Labor	27,390	28,211	29,058	29,930	30,827
43	440-4030-533.21-20	Medicare	6,219	Labor	6,406	6,598	6,796	7,000	7,210
44	440-4030-533.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
45	440-4030-533.22-20	DCSE	33,517	Labor	34,523	35,558	36,625	37,724	38,855
46	440-4030-533.23-10	Life Insurance	2,264	General-Ins	2,264	2,264	2,264	2,264	2,264
47	440-4030-533.23-20	Group Medical Insurance	126,425	Health-Ins	96,083	105,691	116,260	127,886	140,675
48	440-4030-533.23-30	Dental Insurance	3,298	Health-Ins	2,506	2,757	3,033	3,336	3,670
49	440-4030-533.23-40	Long Term Disability	4,026	Health-Ins	3,060	3,366	3,702	4,073	4,480
50	440-4030-533.23-90	OPEB Expense	6,346	Marginal	6,409	6,473	6,538	6,603	6,670
51	440-4030-533.24-10	Worker's Compensation	19,924	Labor	20,522	21,137	21,771	22,425	23,097
52		Subtotal Personnel Expenses	\$746,544		\$823,133	\$854,733	\$887,993	\$923,032	\$959,982
		<u>Operating Expenses</u>							
53	440-4030-533.31-10	Professional Services	\$9,795	Contractual	\$10,187	\$10,594	\$11,018	\$11,459	\$11,917
54	440-4030-533.34-10	Other Contractual Service	94,705	Contractual	98,493	102,433	106,530	110,791	115,223
55	440-4030-533.40-10	Travel & Per Diem	1,100	Inflation	1,123	1,150	1,179	1,208	1,238
56	440-4030-533.41-10	Telephone	0	Inflation	0	0	0	0	0
57	440-4030-533.41-11	Cell Phone	0	Inflation	0	0	0	0	0
58	440-4030-533.41-15	Cellular	750	Inflation	766	784	804	824	844
59	440-4030-533.41-20	Internet	1,416	Inflation	1,446	1,480	1,517	1,555	1,594
60	440-4030-533.41-30	Legal Ads	0	Inflation	0	0	0	0	0
61	440-4030-533.41-40	Postage	10,000	Inflation	10,210	10,455	10,716	10,984	11,259
62	440-4030-533.43-10	Electric	150,000	W-Elec	157,813	166,033	174,681	183,778	193,347
63	440-4030-533.44-10	Rent	1,310	Inflation	1,338	1,370	1,404	1,439	1,475
64	440-4030-533.46-10	Repair & Maintenance	97,276	Repair	100,194	103,200	106,296	109,485	112,770
65	440-4030-533.46-20	Fleet Charges	2,283	Repair	2,351	2,422	2,495	2,570	2,647
66	440-4030-533.47-10	Printing & Binding	200	Inflation	204	209	214	220	225

**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] 2018	Escalation Factor	Projected 2019	Fiscal Year Ending September 30th,			
						2020	2021	2022	2023
67	440-4030-533.47-20	Copier	500	Inflation	511	523	536	549	563
68	440-4030-533.48-10	Promotional Activities	5,175	Inflation	5,284	5,410	5,546	5,684	5,826
69	440-4030-533.49-01	Cost Allocation [2]	133,973	Labor	137,992	142,132	146,396	150,788	155,311
70	440-4030-533.49-10	Other Charges/Obligations	21,000	Inflation	21,441	21,956	22,504	23,067	23,644
71	440-4030-533.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
72	440-4030-533.51-10	Office Supplies	650	Inflation	664	680	697	714	732
73	440-4030-533.52-10	Operating Supplies	25,680	Inflation	26,219	26,849	27,520	28,208	28,913
74	440-4030-533.52-20	Unleaded & Diesel	1,849	Fuel	1,941	2,039	2,140	2,247	2,360
75	440-4030-533.52-25	Bulk Fuel	6,000	Fuel	6,300	6,615	6,946	7,293	7,658
76	440-4030-533.52-30	Uniforms	1,550	Inflation	1,583	1,621	1,661	1,703	1,745
77	440-4030-533.52-50	Chemical	358,305	W-Chem	376,969	396,604	417,260	438,989	461,849
78	440-4030-533.54-10	Books, Pubs, Subs, & Mem	1,120	Inflation	1,144	1,171	1,200	1,230	1,261
79	440-4030-533.54-20	Educational Development	1,150	Inflation	1,174	1,202	1,232	1,263	1,295
80		Subtotal Operating Expenses	\$925,787		\$965,347	\$1,006,931	\$1,050,492	\$1,096,049	\$1,143,697
81		Total Water Department	\$1,672,331		\$1,788,479	\$1,861,664	\$1,938,485	\$2,019,081	\$2,103,679
	440-4040-535	<u>Wastewater Department</u>							
82	440-4040-535.12-10	Regular Salaries	\$642,796	Labor	\$662,080	\$681,942	\$702,401	\$723,473	\$745,177
83	AddPerWastewater	Additional Personnel	0	Input	0	93,235	96,032	98,913	101,880
84	440-4040-535.13-10	Other Salaries	0	Labor	0	0	0	0	0
85	440-4040-535.14-10	Overtime	0	Labor	0	0	0	0	0
86	440-4040-535.15-30	Cell Phone	1,750	Inflation	1,787	1,830	1,875	1,922	1,970
87	440-4040-535.15-40	Insurance Payback	4,829	Health-Ins	3,670	4,037	4,441	4,885	5,373
88	440-4040-535.15-60	Boot Allowance	1,500	Inflation	1,532	1,568	1,607	1,648	1,689
89	440-4040-535.21-10	FICA Taxes	33,953	Labor	34,972	36,021	37,101	38,214	39,361
90	440-4040-535.21-20	Medicare	7,941	Labor	8,179	8,425	8,677	8,938	9,206
91	440-4040-535.22-10	Retirement Contributions	22,851	Labor	23,537	24,243	24,970	25,719	26,491
92	440-4040-535.22-20	DCSE	60,872	Inflation	62,150	63,642	65,233	66,864	68,535
93	440-4040-535.23-10	Life Insurance	2,845	General-Ins	2,845	2,845	2,845	2,845	2,845
94	440-4040-535.23-20	Group Medical Insurance	150,585	Health-Ins	114,445	125,889	138,478	152,326	167,558
95	440-4040-535.23-30	Dental Insurance	4,114	Health-Ins	3,127	3,439	3,783	4,162	4,578
96	440-4040-535.23-40	Long Term Disability	5,077	Health-Ins	3,859	4,244	4,669	5,136	5,649
97	440-4040-535.23-90	OPEB	7,527	Marginal	7,603	7,679	7,755	7,833	7,911
98	440-4040-535.24-10	Worker's Compensation	22,904	Labor	23,591	24,299	25,028	25,779	26,552
99		Subtotal Personnel Expenses	\$969,544		\$953,374	\$1,083,337	\$1,124,896	\$1,168,654	\$1,214,775
		<u>Operating Expenses</u>							
100	440-4040-535.31-10	Professional Services	\$45,000	Contractual	\$46,800	\$48,672	\$50,619	\$52,644	\$54,749
101	440-4040-535.34-10	Other Contractual Service	223,530	Contractual	232,471	241,770	251,441	261,498	271,958
102	440-4040-535.40-10	Travel & Per Diem	4,950	Inflation	5,054	5,175	5,305	5,437	5,573
103	440-4040-535.41-10	Telephone	0	Inflation	0	0	0	0	0
104	440-4040-535.41-15	Cellular	375	Inflation	383	392	402	412	422
105	440-4040-535.41-20	Internet	1,075	Inflation	1,098	1,124	1,152	1,181	1,210
106	440-4040-535.41-30	Legal Ads	0	Inflation	0	0	0	0	0
107	440-4040-535.41-40	Postage	10,000	Inflation	10,210	10,455	10,716	10,984	11,259
108	440-4040-535.43-10	Electric	175,000	WW-Elec	184,294	194,081	204,385	215,234	226,658
109	440-4040-535.43-30	Water / Sewer / Trash	13,963	Inflation	14,256	14,598	14,963	15,337	15,721
110	440-4040-535.44-10	Rent	5,640	Inflation	5,758	5,897	6,044	6,195	6,350
111	440-4040-535.46-10	Repair & Maintenance	127,650	Repair	131,480	135,424	139,487	143,671	147,981
112	440-4040-535.46-20	Fleet Charges	5,566	Repair	5,733	5,905	6,082	6,265	6,453
113	440-4040-535.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
114	440-4040-535.47-20	Copier	2,100	Inflation	2,144	2,196	2,250	2,307	2,364
115	440-4040-535.48-10	Promotional Activities	1,550	Inflation	1,583	1,621	1,661	1,703	1,745
116	440-4040-535.49-01	Cost Allocation [2]	144,450	Labor	148,784	153,247	157,844	162,580	167,457
117	440-4040-535.49-10	Other Charges/Obligations	7,300	Inflation	7,453	7,632	7,823	8,019	8,219
118	440-4040-535.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
119	440-4040-535.51-10	Office Supplies	1,000	Inflation	1,021	1,046	1,072	1,098	1,126
120	440-4040-535.52-10	Operating Supplies	53,640	Inflation	54,766	56,081	57,483	58,920	60,393
121	440-4040-535.52-20	Unleaded & Diesel	2,404	Fuel	2,524	2,650	2,783	2,922	3,068
122	440-4040-535.52-25	Bulk Fuel	3,000	Fuel	3,150	3,308	3,473	3,647	3,829
123	440-4040-535.52-30	Uniforms	1,600	Inflation	1,634	1,673	1,715	1,757	1,801
124	440-4040-535.52-50	Chemical	130,500	WW-Chem	137,431	144,729	152,413	160,503	169,022
125	440-4040-535.54-10	Books, Pubs, Subs, & Mem	440	Inflation	449	460	472	483	495
126	440-4040-535.54-20	Educational Development	6,000	Inflation	6,126	6,273	6,430	6,591	6,755
127		Subtotal Operating Expenses	\$966,733		\$1,004,602	\$1,044,407	\$1,086,013	\$1,129,388	\$1,174,610
128		Total Wastewater Department	\$1,936,277		\$1,957,976	\$2,127,744	\$2,210,909	\$2,298,042	\$2,389,385
	440-4050-539	<u>Wastewater Collections</u>							
129	440-4050-539.12-10	Regular Salaries	\$178,829	Labor	\$184,194	\$189,720	\$195,411	\$201,274	\$207,312
130	AddPerCollections	Additional Personnel	0	Input	0	47,563	48,990	50,460	51,974
131	440-4050-539.14-10	Overtime	0	Labor	0	0	0	0	0
132	440-4050-539.15-30	Cell Phone	905	Inflation	924	946	970	994	1,019

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] 2018	Escalation Factor	Projected 2019	Fiscal Year Ending September 30th,			
						2020	2021	2022	2023
133	440-4050-539.15-60	Boot Allowance	625	Inflation	638	653	670	687	704
134	440-4050-539.21-10	FICA Taxes	9,026	Labor	9,297	9,576	9,863	10,159	10,464
135	440-4050-539.21-20	Medicare	2,111	Labor	2,174	2,240	2,307	2,376	2,447
136	440-4050-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
137	440-4050-539.22-20	DCSE	18,984	Labor	19,554	20,140	20,744	21,367	22,008
138	440-4050-539.23-10	Life Insurance	797	General-Ins	797	797	797	797	797
139	440-4050-539.23-20	Group Medical Insurance	55,306	Health-Ins	42,033	46,236	50,859	55,945	61,540
140	440-4050-539.23-30	Dental Insurance	1,553	Health-Ins	1,180	1,298	1,428	1,571	1,728
141	440-4050-539.23-40	Long Term Disability	1,416	Health-Ins	1,076	1,184	1,302	1,432	1,576
142	440-4050-539.23-90	OPEB Expense	2,175	Marginal	2,197	2,219	2,241	2,264	2,286
143	440-4050-539.24-10	Worker's Compensation	5,946	Labor	6,124	6,308	6,497	6,692	6,893
144		Subtotal Personnel Expenses	\$277,673		\$270,188	\$328,880	\$342,080	\$356,017	\$370,747
		<u>Operating Expenses</u>							
145	440-4050-539.34-10	Other Contractual Service	\$213	Contractual	\$222	\$230	\$240	\$249	\$259
146	440-4050-539.40-10	Travel & Per Diem	3,150	Inflation	3,216	3,293	3,376	3,460	3,547
147	440-4050-539.41-10	Telephone	0	Inflation	0	0	0	0	0
148	440-4050-539.41-15	Cellular	375	Inflation	383	392	402	412	422
149	440-4050-539.41-20	Internet	359	Inflation	367	375	385	394	404
150	440-4050-539.43-10	Electric	71,000	WW-Elec	74,771	78,741	82,922	87,324	91,958
151	440-4050-539.43-30	Water / Sewer / Trash	352	Inflation	359	368	377	387	396
152	440-4050-539.44-10	Rent	500	Inflation	511	523	536	549	563
153	440-4050-539.46-10	Repair & Maintenance	90,000	Repair	80,000	82,400	84,872	87,418	90,041
154	440-4050-539.46-20	Fleet Charges	12,566	Repair	12,943	13,331	13,731	14,143	14,567
155	440-4050-539.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
156	440-4050-539.47-20	Copier	500	Inflation	511	523	536	549	563
157	440-4050-539.49-01	Cost Allocation [2]	47,954	Labor	49,393	50,874	52,401	53,973	55,592
158	440-4050-539.49-10	Other Charges/Obligations	2,075	Inflation	2,119	2,169	2,224	2,279	2,336
159	440-4050-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
160	440-4050-539.51-10	Office Supplies	500	Inflation	511	523	536	549	563
161	440-4050-539.52-10	Operating Supplies	20,250	Inflation	20,675	21,171	21,701	22,243	22,799
162	440-4050-539.52-20	Unleaded & Diesel	13,407	Fuel	14,077	14,781	15,520	16,296	17,111
163	440-4050-539.52-30	Uniforms	800	Inflation	817	836	857	879	901
164	440-4050-539.52-50	Chemical	40,000	WW-Chem	42,124	44,361	46,717	49,196	51,807
165	440-4050-539.54-10	Books, Pubs, Subs, & Mem	400	Inflation	408	418	429	439	450
166	440-4050-539.54-20	Educational Development	1,000	Inflation	1,021	1,046	1,072	1,098	1,126
167		Subtotal Operating Expenses	\$305,401		\$304,426	\$316,358	\$328,831	\$341,839	\$355,407
168		Total Wastewater Collections	\$583,074		\$574,614	\$645,238	\$670,911	\$697,856	\$726,153
	440-4080-539	<u>Field Operations</u>							
169	440-4080-539.12-10	Regular Salaries	\$504,075	Labor	\$519,197	\$534,773	\$550,816	\$567,341	\$584,361
170		AddPerFieldOps	26,241	Input	124,916	108,546	111,802	115,156	118,611
171	440-4080-539.12-20	DC ICMA	19,452	Labor	20,036	20,637	21,256	21,893	22,550
172	440-4080-539.14-10	Overtime	0	Labor	0	0	0	0	0
173	440-4080-539.15-30	Cell Phone	1,328	Inflation	1,356	1,388	1,423	1,459	1,495
174	440-4080-539.15-60	Boot Allowance	1,500	Inflation	1,532	1,568	1,607	1,648	1,689
175	440-4080-539.21-10	FICA Taxes	25,861	Labor	26,637	27,436	28,259	29,107	29,980
176	440-4080-539.21-20	Medicare	6,048	Labor	6,229	6,416	6,609	6,807	7,011
177	440-4080-539.22-20	DCSE	34,041	Labor	35,062	36,114	37,198	38,313	39,463
178	440-4080-539.23-10	Life Insurance	2,067	General-Ins	2,067	2,067	2,067	2,067	2,067
179	440-4080-539.23-20	Group Medical Insurance	159,978	Health-Ins	121,583	133,742	147,116	161,827	178,010
180	440-4080-539.23-30	Dental Insurance	4,013	Health-Ins	3,050	3,355	3,690	4,059	4,465
181	440-4080-539.23-40	Long Term Disability	3,999	Health-Ins	3,039	3,343	3,677	4,045	4,450
182	440-4080-539.23-90	OPEB Expense	5,894	Marginal	5,953	6,013	6,073	6,134	6,195
183	440-4080-539.24-10	Worker's Compensation	22,965	Labor	23,654	24,364	25,094	25,847	26,623
184		Subtotal Personnel Costs	\$817,462		\$894,312	\$909,761	\$946,688	\$985,704	\$1,026,970
		<u>Operating Expenses</u>							
185	440-4080-539.34-10	Other Contractual Service	\$547	Contractual	\$569	\$592	\$615	\$640	\$666
186	440-4080-539.40-10	Travel & Per Diem	2,488	Inflation	2,540	2,601	2,666	2,733	2,801
187	440-4080-539.41-10	Telephone	0	Inflation	0	0	0	0	0
188	440-4080-539.41-15	Cellular	800	Inflation	817	836	857	879	901
189	440-4080-539.41-20	Internet	397	Inflation	405	415	425	436	447
190	440-4080-539.41-40	Postage	0	Inflation	0	0	0	0	0
191	440-4080-539.44-10	Rent	1,000	Inflation	1,021	1,046	1,072	1,098	1,126
192	440-4080-539.46-10	Repair & Maintenance	135,500	Repair	139,565	143,752	148,065	152,506	157,082
193	440-4080-539.46-20	Fleet Charges	27,895	Repair	28,732	29,594	30,482	31,396	32,338
194	440-4080-539.49-01	Cost Allocation [2]	105,554	Labor	108,721	111,982	115,342	118,802	122,366
195	440-4080-539.49-10	Other Charges/Obligations	4,250	Inflation	4,339	4,443	4,554	4,668	4,785
196	440-4080-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
197	440-4080-539.51-10	Office Supplies	400	Inflation	408	418	429	439	450
198	440-4080-539.52-10	Operating Supplies	31,600	Inflation	32,264	33,038	33,864	34,710	35,578
199	440-4080-539.52-20	Unleaded & Diesel	27,275	Fuel	28,639	30,071	31,574	33,153	34,811
200	440-4080-539.52-30	Uniforms	1,720	Inflation	1,756	1,798	1,843	1,889	1,937

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] 2018	Escalation Factor	Projected 2019	Fiscal Year Ending September 30th,				
						2020	2021	2022	2023	
201	440-4080-539.54-10	Books, Pubs, Subs, & Mem	30	Inflation	31	31	32	33	34	
202	440-4080-539.54-20	Educational Development	2,700	Inflation	2,757	2,823	2,893	2,966	3,040	
203		Subtotal Operating Expenses	\$342,156		\$352,563	\$363,441	\$374,714	\$386,350	\$398,360	
204		Total Field Operations	\$1,159,618		\$1,246,875	\$1,273,202	\$1,321,402	\$1,372,053	\$1,425,330	
	440-5555-580, 581, 589	<u>Non-Departmental [4]</u>								
205	440-5555-580.22-10	Retirement Contributions	\$320,360	Labor	\$329,971	\$339,870	\$350,066	\$360,568	\$371,385	
206	440-5555-580.23-80	PTO Expense	0	Eliminate	0	0	0	0	0	
207	440-5555-580.31-10	Professional Services	20,659	Eliminate	0	0	0	0	0	
208	440-5555-580.32-10	Accounting & Auditing	0	Eliminate	0	0	0	0	0	
209	440-5555-580.45-10	General Liability	15,661	General-Ins	15,661	15,661	15,661	15,661	15,661	
210	440-5555-580.45-15	Property	0	Eliminate	0	0	0	0	0	
211	440-5555-580.45-20	Public Officials	12,690	Labor	13,071	13,463	13,867	14,283	14,711	
212	440-5555-580.45-25	Automobile	0	Eliminate	0	0	0	0	0	
213	440-5555-580.45-35	Environmental Liability	3,327	Inflation	3,397	3,478	3,565	3,654	3,746	
214	440-5555-580.49-10	Other Charges/Obligations	0	Inflation	0	0	0	0	0	
215	440-5555-580.49-20	Bank Charges	0	Eliminate	0	0	0	0	0	
216	440-5555-580.49-50	Write Off	0	Eliminate	0	0	0	0	0	
217	440-5555-580.49-60	Hurricane Charges	0	Eliminate	0	0	0	0	0	
218	440-5555-580.52-10	Operating Supplies	0	Eliminate	0	0	0	0	0	
219	440-5555-580.59-10	Depreciation	0	Eliminate	0	0	0	0	0	
220	440-5555-580.63-10	Improvements O/T Building	0	Eliminate	0	0	0	0	0	
221	440-5555-580.64-10	Machinery & Equipment	0	Eliminate	0	0	0	0	0	
222	440-5555-580.64-20	Motor Vehicles	0	Eliminate	0	0	0	0	0	
223	440-5555-580.71-15	JCI Meters	0	Eliminate	0	0	0	0	0	
224	440-5555-580.71-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0	
225	440-5555-580.71-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0	
226	440-5555-580.71-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0	
227	440-5555-580.71-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0	
228	440-5555-580.71-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0	
229	440-5555-580.72-13	BOA Obligation #265	0	Eliminate	0	0	0	0	0	
230	440-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0	
231	440-5555-580.72-15	JCI Meters	0	Eliminate	0	0	0	0	0	
232	440-5555-580.72-20	State Revolving Fund	0	Eliminate	0	0	0	0	0	
233	440-5555-580.72-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0	
234	440-5555-580.72-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0	
235	440-5555-580.72-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0	
236	440-5555-580.72-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0	
237	440-5555-580.72-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0	
238	440-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0	
239	440-5555-580.73-11	2013 SunTrust JCI	0	Eliminate	0	0	0	0	0	
240	440-5555-580.73-21	Bond Issuance Cost - SRF	0	Eliminate	0	0	0	0	0	
241	440-5555-580.73-41	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0	
242	440-5555-580.73-42	Cap Imp Rev Note Srs 2014	0	Eliminate	0	0	0	0	0	
243	440-5555-581.03-31	Capital Fund	0	Eliminate	0	0	0	0	0	
244	440-5555-581.04-44	Renewal And Replacement	0	Eliminate	0	0	0	0	0	
245	440-5555-581.04-45	Wtr/Swr Rate Stabilization	0	Eliminate	0	0	0	0	0	
246	440-5555-581.04-50	Public Works Complex - Debt Service	0	Eliminate	0	0	0	0	0	
247	440-5555-581.05-01	MIS	0	Eliminate	0	0	0	0	0	
248	440-5555-589.50-50	Stabilization - Estimated Savings	0	Eliminate	0	0	0	0	0	
249	440-5555-581.10-01	General Fund	0	Eliminate	0	0	0	0	0	
250	440-5555-589.10-01	Current Year Unreserved	0	Eliminate	0	0	0	0	0	
251		Total Non-Departmental	\$372,697		\$362,099	\$372,472	\$383,159	\$394,166	\$405,503	
		<u>Other Adjustments</u>								
252	Contingency	Contingency - 1.00% of O&M [5]	\$65,749	Input	\$67,903	\$71,694	\$74,439	\$77,315	\$80,329	
253	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [6]	24,612	Input	26,749	29,150	31,774	32,907	33,956	
254	Other	Other Adjustments - Retirement Benefits	0	Op Expense	0	0	0	0	0	
255		Total Other Adjustments	\$90,361		\$94,653	\$100,844	\$106,213	\$110,222	\$114,285	
256		<u>Grand Total Operating Budget</u>	<u>\$6,665,278</u>		<u>\$6,884,985</u>	<u>\$7,270,226</u>	<u>\$7,550,128</u>	<u>\$7,841,703</u>	<u>\$8,147,167</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,				
			2019	2020	2021	2022	2023
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	1.0210	1.0240	1.0250	1.0250	1.0250
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	0.7600	1.1000	1.1000	1.1000	1.1000
8	General Insurance	General-Ins	1.0000	1.0000	1.0000	1.0000	1.0000
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	1.0500	1.0500	1.0500	1.0500	1.0500
12	Electricity	Electricity	1.0500	1.0500	1.0500	1.0500	1.0500
13	Fuel & Oil	Fuel	1.0500	1.0500	1.0500	1.0500	1.0500
14	Water Customer Accounts	W-Accounts	1.0027	1.0027	1.0027	1.0027	1.0027
15	Wastewater Customer Accounts	WW-Accounts	1.0030	1.0030	1.0029	1.0029	1.0029
16	Treated Water Flows	W-Flows	1.0020	1.0020	1.0020	1.0020	1.0020
17	Treated Wastewater Flows	WW-Flows	1.0030	1.0030	1.0029	1.0029	1.0029
18	Water Flows + Chemicals	W-Chem	1.0521	1.0521	1.0521	1.0521	1.0521
19	Water Flows + Electricity	W-Elec	1.0521	1.0521	1.0521	1.0521	1.0521
20	Wastewater Flows + Chemicals	WW-Chem	1.0531	1.0531	1.0531	1.0531	1.0531
21	Wastewater Flows + Electricity	WW-Elec	1.0531	1.0531	1.0531	1.0531	1.0531
22	Change in Water Customers	W-Growth	1.0714	1.0000	1.0000	1.0000	1.0000
23	Change in Wastewater Customers	WW-Growth	1.0714	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	1.0026	1.0026	1.0026	1.0026	1.0026
26	Wastewater Rate Revenues	WW-Rev	1.0030	1.0030	1.0030	1.0030	1.0030
27	Water Operational Expenses	W-Op	1.0537	1.0387	1.0390	1.0392	1.0395
28	Wastewater Operational Expenses	WW-Op	1.0165	1.0702	1.0381	1.0382	1.0385

Footnotes:

- [1] Inflation figures based on discussions with City staff and obtained from the "The Budget and Economic Outlook 2018 - 2028" published by the Congressional Budget Office in April 2018.

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

Capital Improvement Program Funding Plan

Line No.	Description	Escalation Reference	PRMG Funding Source	Fiscal Year Ending September 30,					Total CIP	
				2018	2019	2020	2021	2022		2023
<u>CIP Escalation Factor Alternatives</u>										
<u>General Project Escalators</u>										
1	No Assumed Escalation (0.0% per Year)	None		1.000	1.000	1.000	1.000	1.000	1.000	
2	Capital Outlay (3.5% per Year)	Outlay		1.000	1.030	1.061	1.093	1.126	1.159	
3	ENR Index Average (3.0% per Year)	ENR		1.000	1.030	1.061	1.093	1.126	1.159	
4	Marginal Increase (1.0% per Year)	Marginal		1.000	1.010	1.020	1.030	1.041	1.051	
5	High Increase (5.0% per Year)	High		1.000	1.050	1.103	1.158	1.216	1.276	
<u>Water System:</u>										
6	Acquire SE Volusia Utility: Water	ENR	Unfunded	\$0	\$0	\$1,591,350	\$0	\$0	\$0	\$1,591,350
7	Airpark Rd Water Main Connection	ENR	W-R&R	0	0	0	191,227	0	0	191,227
8	ARTWTP Wells 21-24	ENR	W-Impact	0	0	0	0	0	0	0
9	Carbon Dioxide Tank	ENR	W-R&R	240,450	0	0	0	0	0	240,450
10	East Pine Bluff Water Improvements	ENR	W-Op	0	0	0	211,904	0	0	211,904
11	Evergreen Avenue Water Improvements	ENR	W-Op	0	0	0	0	0	0	0
12	New York Street Water Improvements	ENR	W-Op	0	0	0	0	28,138	0	28,138
13	North Pinedale Road Water Improvements	ENR	Assessments	0	0	90,177	0	0	0	90,177
14	Perdita, Palmetto, Live Oak Water Improvements	ENR	W-R&R	0	206,000	0	0	0	0	206,000
15	Plaza & Hubbell Water Improrvment	ENR	W-Op	0	0	106,090	0	0	0	106,090
16	Safe Room @ ARWTP & Hardening of Ops Bldg	ENR	Grant	0	0	0	273,182	0	0	273,182
17	THM Precursor Removal Process at ARTWTP	ENR	Junior2	0	0	278,486	3,824,545	0	0	4,103,031
18	ARTWTP Disinfectant System Replacement	ENR	W-R&R	0	99,138	0	0	0	0	99,138
19	Two Inch Water Line Replacements	ENR	W-R&R	0	103,000	106,090	218,545	225,102	231,855	884,592
20	Unspecified Water	ENR	W-R&R	0	103,000	265,225	327,818	337,653	347,782	1,381,478
21	Flexnet Smart Water Meter Network	ENR	W-R&R	0	0	0	0	0	0	0
22	W Park Ave Water Main: Old Mission to PABS	ENR	W-Op	0	515,731	0	0	0	0	515,731
23	Wildwood & Highland Water Main Replacement	ENR	W-R&R	0	0	0	227,287	0	0	227,287
24	Influent Pump	ENR	W-R&R	30,000	0	0	0	0	0	30,000
25	Public Works Building (Allocation)	None	Senior1	0	0	0	273,000	1,547,000	0	1,820,000
26	Other Miscellaneous Adjustments	ENR	W-R&R	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27	Budgetary Capital Outlay	None	W-Rates	\$124,978	\$105,000	\$84,000	\$57,540	\$92,879	\$92,879	\$557,276
28	Subtotal Water System			\$395,428	\$1,131,869	\$2,521,418	\$5,605,048	\$2,230,772	\$672,516	\$12,557,050

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

Capital Improvement Program Funding Plan

Line No.	Description	Escalation Reference	PRMG Funding Source	Fiscal Year Ending September 30,						Total CIP
				2018	2019	2020	2021	2022	2023	
<u>Wastewater System:</u>										
29	Safe Room @ WWTP & Hardening of Ops Bldg	ENR	Grant	\$0	\$201,131	\$0	\$0	\$0	\$0	\$201,131
30	Safe Room @ WWTP & Hardening of Ops Bldg. (Split Funding)	ENR	S-R&R	0	75,089	0	0	0	0	75,089
31	Unspecified Sewer	ENR	S-R&R	0	154,500	265,225	327,818	337,653	347,782	1,432,978
32	WW-Septic Conversion: 15th & 16th Street Duplexes	ENR	Assessments	0	0	0	327,818	0	0	327,818
33	WW-Septic Conversion: Beulah Dr	ENR	Assessments	0	0	0	0	0	347,782	347,782
34	WW-Septic Conversion: E. of US-1: Cory Est. to Arbor Ln	ENR	Assessments	0	0	0	546,364	0	0	546,364
35	WW-Septic Conversion: E. of US-1: Omni & Godfrey to Poinciana	ENR	Assessments	0	0	0	0	2,251,018	0	2,251,018
36	WW-Septic Conversion: Massey Rd. to 10th Street	ENR	Assessments	0	0	0	0	0	1,507,056	1,507,056
37	WW-Septic Conversion: North Pinedale Road	ENR	Assessments	0	0	185,658	0	0	0	185,658
38	WWTP 2.5 MGD Expansion	ENR	S-Impact	0	0	0	0	0	0	0
39	WWTP Sludge Dewatering	ENR	Junior1	0	0	1,591,350	0	0	0	1,591,350
40	Bypass Pump	ENR	S-R&R	0	0	0	0	0	0	0
41	WAS Aerator for WWTP	ENR	S-R&R	0	30,900	0	0	0	0	30,900
42	Acquire SE Volusia Utility: Wastewater	ENR	Unfunded	0	0	3,182,700	0	0	0	3,182,700
43	Lift Station Refurbishments	ENR	S-R&R	0	0	0	0	0	0	0
44	Lift Station Refurbishments (Split Funding)	ENR	S-Rates	0	0	0	0	0	0	0
45	LS # 3 Refurbishment & Antenna Relocation	ENR	S-R&R	0	283,250	0	0	0	0	283,250
46	LS # 6 Refurbishment	ENR	S-R&R	0	0	265,225	0	0	0	265,225
47	LS #4 Refurbishment	ENR	S-R&R	0	0	0	273,182	0	0	273,182
48	Evaluation of Clay Sewer Lines	ENR	S-R&R	0	180,250	0	0	0	0	180,250
49	Riverside Dr Sewer Lateral Slip-Lining	ENR	S-R&R	0	103,000	106,090	218,545	281,377	289,819	998,831
50	Sewer Sliplining	ENR	S-R&R	0	103,000	106,090	109,273	112,551	115,927	546,841
51	Submersible Pump Replacements (LS)	ENR	S-Rates	0	51,500	53,045	81,955	84,413	86,946	357,858
52	Telemetry at Lift Stations	ENR	S-Rates	0	0	53,045	54,636	84,413	86,946	279,040
53	WW Lift Station Rehab: FL Shores	ENR	S-R&R	0	0	0	0	112,551	115,927	228,478
54	WW Lift Station Rehab: FL Shores (Split Funding)	ENR	Junior3	0	0	0	546,364	562,754	579,637	1,688,755
55	Manhole Lining	ENR	S-R&R	0	103,000	106,090	109,273	112,551	115,927	546,841
56	Manhole Replacement - South End of Riverside Dr	ENR	S-Op	0	0	0	0	0	0	0
57	Reclaimed Water Improvements/Extension	ENR	Junior1	0	3,318,660	1,139,407	0	0	0	4,458,067
58	Reclaimed Water Improvements/Extension (Split Funding)	ENR	S-Op	335,681	0	0	0	0	0	335,681
59	Rhode Island St & Hardin Pl Reclaimed Water Ext	ENR	S-Rates	0	0	0	0	0	88,105	88,105
60	SE Reclaimed	ENR	S-R&R	0	0	212,180	0	0	0	212,180
61	Public Works Building (Allocation)	None	Senior1	0	0	0	273,000	1,547,000	0	1,820,000
62	Other Miscellaneous Adjustments	ENR	S-R&R	\$0	\$0	\$0	\$0	\$0	\$0	\$0
63	Budgetary Capital Outlay	None	S-Rates	\$172,588	\$145,000	\$116,000	\$79,460	\$128,262	\$128,262	\$769,573
64	Subtotal Wastewater System			\$508,269	\$4,749,280	\$7,382,104	\$2,947,687	\$5,614,543	\$3,810,117	\$25,012,000
65	Total Combined System CIP			\$903,697	\$5,881,149	\$9,903,522	\$8,552,735	\$7,845,314	\$4,482,633	\$37,569,050

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

Capital Improvement Program Funding Plan

Line No.	Description	Escalation Reference	PRMG Funding Source	Fiscal Year Ending September 30,					Total CIP	
				2018	2019	2020	2021	2022		2023
<u>Project Funding Sources Summary</u>										
Water Funding Sources:										
66	Water Rates		W-Rates	\$124,978	\$105,000	\$84,000	\$57,540	\$92,879	\$92,879	\$557,276
67	Operating Fund		W-Op	0	515,731	106,090	211,904	28,138	0	861,863
68	Renewal and Replacement Fund		W-R&R	270,450	511,138	371,315	964,878	562,754	579,637	3,260,172
69	Water Development Fees		W-Impact	0	0	0	0	0	0	0
70	Grants		Grant	0	0	0	273,182	0	0	273,182
71	Existing Bond Proceeds		ExistingBond	0	0	0	0	0	0	0
72	Additional Senior Lien Debt 1		Senior1	0	0	0	273,000	1,547,000	0	1,820,000
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	0	278,486	3,824,545	0	0	4,103,031
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	0	1,591,350	0	0	0	1,591,350
82	Subtotal Water Funding Sources			\$395,428	\$1,131,869	\$2,521,418	\$5,605,048	\$2,230,772	\$672,516	\$12,557,050
Wastewater Funding Sources:										
83	Wastewater Rates		S-Rates	\$172,588	\$196,500	\$222,090	\$216,051	\$297,088	\$390,258	\$1,494,576
84	Operating Fund		S-Op	335,681	0	0	0	0	0	335,681
85	Renewal and Replacement Fund		S-R&R	0	1,032,989	1,060,900	1,038,091	956,682	985,383	5,074,045
86	Wastewater Development Fees		S-Impact	0	0	0	0	0	0	0
87	Grants		Grant	0	201,131	0	0	0	0	201,131
88	Existing Bond Proceeds		ExistingBond	0	0	0	0	0	0	0
89	Additional Senior Lien Debt 1		Senior1	0	0	0	273,000	1,547,000	0	1,820,000
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	0	3,318,660	2,730,757	0	0	0	6,049,417
94	Additional Subordinate Lien Debt 2		Junior2	0	0	0	0	0	0	0
95	Additional Subordinate Lien Debt 3		Junior3	0	0	0	546,364	562,754	579,637	1,688,755
96	Additional Subordinate Lien Debt 4		Junior4	0	0	0	0	0	0	0
97	Assessments		Assessments	0	0	185,658	874,182	2,251,018	1,854,839	5,165,695
98	Unfunded / Other Funding Sources		Unfunded	0	0	3,182,700	0	0	0	3,182,700
99	Subtotal Wastewater Funding Sources			\$508,269	\$4,749,280	\$7,382,104	\$2,947,687	\$5,614,543	\$3,810,117	\$25,012,000

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

Capital Improvement Program Funding Plan

Line No.	Description	Escalation Reference	PRMG Funding Source	Fiscal Year Ending September 30,					Total CIP	
				2018	2019	2020	2021	2022		2023
Total Funding Sources:										
100	Water & Wastewater Rates		Rates	\$297,566	\$301,500	\$306,090	\$273,591	\$389,968	\$483,137	\$2,051,852
101	Operating Fund		Op	335,681	515,731	106,090	211,904	28,138	0	1,197,544
102	Renewal and Replacement Fund		R&R	270,450	1,544,126	1,432,215	2,002,969	1,519,437	1,565,020	8,334,217
103	Water and Wastewater Development Fees		Impact Fees	0	0	0	0	0	0	0
104	Grants		Grant	0	201,131	0	273,182	0	0	474,313
105	Existing Bond Proceeds		ExistingBond	0	0	0	0	0	0	0
106	Additional Senior Lien Debt 1		Senior1	0	0	0	546,000	3,094,000	0	3,640,000
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	0	3,318,660	2,730,757	0	0	0	6,049,417
111	Additional Subordinate Lien Debt 2		Junior2	0	0	278,486	3,824,545	0	0	4,103,031
112	Additional Subordinate Lien Debt 3		Junior3	0	0	0	546,364	562,754	579,637	1,688,755
113	Additional Subordinate Lien Debt 4		Junior4	0	0	0	0	0	0	0
114	Assessments		Assessments	0	0	275,834	874,182	2,251,018	1,854,839	5,255,872
115	Unfunded / Other Funding Sources		Unfunded	0	0	4,774,050	0	0	0	4,774,050
116	Total Funding Sources			<u>\$903,697</u>	<u>\$5,881,149</u>	<u>\$9,903,522</u>	<u>\$8,552,735</u>	<u>\$7,845,314</u>	<u>\$4,482,633</u>	<u>\$37,569,050</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,					
		2018	2019	2020	2021	2022	2023
Water System:							
<u>Existing Debt Service:</u>							
1	Utility System Refunding Revenue Note, Series 2016	\$451,450	\$451,388	\$451,132	\$451,524	\$451,283	\$451,259
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	689,503	692,864	501,438	77,183	0	0
5	Capital Improvement Revenue Note, Series 2014	0	0	0	0	0	0
6	Vehicle Lease 2016 Amer Cap Svc.	2,585	2,588	2,588	2,588	2,588	0
7	Total Existing Debt Service Payments	\$1,143,538	\$1,146,839	\$955,159	\$531,295	\$453,871	\$451,259
<u>Proposed Debt Service:</u>							
<u>Proposed Senior Lien Debt:</u>							
8	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$173,890	\$173,890	\$173,890
9	Additional Senior Lien Debt 2	0	0	0	0	0	0
10	Additional Senior Lien Debt 3	0	0	0	0	0	0
11	Additional Senior Lien Debt 4	0	0	0	0	0	0
12	Total Proposed Senior Lien Debt Service Payments	\$0	\$0	\$0	\$173,890	\$173,890	\$173,890
<u>Proposed Subordinate Lien Debt:</u>							
13	Additional Subordinate Lien Debt 1	\$0	\$0	\$0	\$0	\$0	\$0
14	Additional Subordinate Lien Debt 2	0	0	0	0	293,342	293,342
15	Additional Subordinate Lien Debt 3	0	0	0	0	0	0
16	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
17	Total Proposed Subordinate Lien Debt Service Payments	\$0	\$0	\$0	\$0	\$293,342	\$293,342
18	Total Proposed Debt Service Payments	\$0	\$0	\$0	\$173,890	\$467,232	\$467,232
19	Total Existing and Proposed Debt Service Payments	\$1,143,538	\$1,146,839	\$955,159	\$705,185	\$921,103	\$918,491
Wastewater System							
<u>Existing Debt Service:</u>							
20	Utility System Refunding Revenue Note, Series 2016	\$623,431	\$623,345	\$622,993	\$623,533	\$623,200	\$623,167
21	SRF Loan - #WW640520	383,969	383,969	383,969	383,969	383,969	383,969
22	SRF 2017 Loan - #WW640530	9,943	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	36,365	36,440	36,866	36,973	36,689	36,597
25	Vehicle Lease 2016 Amer Cap Svc.	2,585	2,588	2,588	2,588	2,588	0
26	Total Existing Debt Service Payments	\$1,056,293	\$1,064,699	\$1,064,772	\$1,065,420	\$1,064,802	\$1,062,089
<u>Proposed Debt Service:</u>							
<u>Proposed Senior Lien Debt:</u>							
27	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$173,890	\$173,890	\$173,890
28	Additional Senior Lien Debt 2	0	0	0	0	0	0
29	Additional Senior Lien Debt 3	0	0	0	0	0	0
30	Additional Senior Lien Debt 4	0	0	0	0	0	0
31	Total Proposed Senior Lien Debt Service Payments	\$0	\$0	\$0	\$173,890	\$173,890	\$173,890
<u>Proposed Subordinate Lien Debt:</u>							
32	Additional Subordinate Lien Debt 1	\$0	\$0	\$0	\$428,164	\$428,164	\$428,164
33	Additional Subordinate Lien Debt 2	0	0	0	0	0	0
34	Additional Subordinate Lien Debt 3	0	0	0	0	0	127,705
35	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
36	Total Proposed Subordinate Lien Debt Service Payments	\$0	\$0	\$0	\$428,164	\$428,164	\$555,869
37	Total Proposed Debt Service Payments	\$0	\$0	\$0	\$602,054	\$602,054	\$729,759
38	Total Existing and Proposed Debt Service Payments	\$1,056,293	\$1,064,699	\$1,064,772	\$1,667,474	\$1,666,856	\$1,791,848

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,					
		2018	2019	2020	2021	2022	2023
Combined System							
<u>Existing Debt Service:</u>							
39	Utility System Refunding Revenue Note, Series 2016	1,074,881	1,074,733	1,074,125	1,075,057	1,074,483	1,074,426
40	SRF Loan - #WW640520	383,969	383,969	383,969	383,969	383,969	383,969
41	SRF 2017 Loan - #WW640530	9,943	18,356	18,356	18,356	18,356	18,356
42	Lease Refunding Note, Series 2013	689,503	692,864	501,438	77,183	0	0
43	Capital Improvement Revenue Note, Series 2014	36,365	36,440	36,866	36,973	36,689	36,597
44	Vehicle Lease 2016 Amer Cap Svc.	5,170	5,176	5,176	5,176	5,176	0
45	Total Existing Debt Service Payments	<u>\$2,199,831</u>	<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>Proposed Debt Service:</u>							
<u>Proposed Senior Lien Debt:</u>							
46	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$347,780	\$347,780	\$347,780
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>\$347,780</u>	<u>\$347,780</u>	<u>\$347,780</u>
<u>Proposed Subordinate Lien Debt:</u>							
51	Additional Subordinate Lien Debt 1	\$0	\$0	\$0	\$428,164	\$428,164	\$428,164
52	Additional Subordinate Lien Debt 2	0	0	0	0	293,342	293,342
53	Additional Subordinate Lien Debt 3	0	0	0	0	0	127,705
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>\$0</u>	<u>\$428,164</u>	<u>\$721,506</u>	<u>\$849,211</u>
56	Total Proposed Debt Service Payments	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$775,944</u>	<u>\$1,069,286</u>	<u>\$1,196,991</u>
57	Total Existing and Proposed Debt Service Payments	<u><u>\$2,199,831</u></u>	<u><u>\$2,211,538</u></u>	<u><u>\$2,019,931</u></u>	<u><u>\$2,372,659</u></u>	<u><u>\$2,587,959</u></u>	<u><u>\$2,710,339</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,				
		2018	2019	2020	2021	2022	2023
Renewal and Replacement Fund Transfer							
1	Prior Fiscal Year	2017	2018	2019	2020	2021	2022
2	Prior Fiscal Year Rate Revenues	\$9,610,465	\$10,447,425	\$11,304,903	\$12,266,156	\$13,316,513	\$13,770,821
3	Renewal and Replacement Minimum Fund Balance [1]	\$1,825,088	\$1,974,257	\$2,312,452	\$2,724,210	\$2,778,979	\$2,811,591
4	Renewal and Replacement Fund Balance Ending Balance	\$868,548	\$578,113	\$615,536	\$452,490	\$930,530	\$1,431,133
5	Minimum Required Transfer	\$480,523	\$522,371	\$565,245	\$613,308	\$665,826	\$688,541
6	Renewal and Replacement Transfer Factor (% of Revenue)	0.0%	12.0%	13.0%	15.0%	15.0%	15.0%
7	Renewal and Replacement Fund Transfer Amount	\$0	\$1,253,691	\$1,469,637	\$1,839,923	\$1,997,477	\$2,065,623
8	Additional Deposit to Meet Minimum Required Transfer	480,523	0	0	0	0	0
9	Renewal and Replacement Fund Transfer Amount	\$480,523	\$1,253,691	\$1,469,637	\$1,839,923	\$1,997,477	\$2,065,623
10	Water Percentage	46.99%	46.99%	46.99%	46.99%	46.99%	46.99%
11	Wastewater Percentage	53.01%	53.01%	53.01%	53.01%	53.01%	53.01%
12	Water Allocation of Transfer - Subtotal	\$225,784	\$589,073	\$690,540	\$864,527	\$938,556	\$970,576
13	Wastewater Allocation of Transfer - Subtotal	254,739	664,618	779,097	975,397	1,058,920	1,095,047
14	Annual Renewal and Replacement Transfer - Subtotal	\$480,523	\$1,253,691	\$1,469,637	\$1,839,923	\$1,997,477	\$2,065,623
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	\$225,784	\$589,073	\$690,540	\$864,527	\$938,556	\$970,576
19	Wastewater Allocation of Transfer	254,739	664,618	779,097	975,397	1,058,920	1,095,047
20	Annual Renewal and Replacement Transfer	\$480,523	\$1,253,691	\$1,469,637	\$1,839,923	\$1,997,477	\$2,065,623

Footnotes:

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

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,				
		2018	2019	2020	2021	2022	2023
Payment In Lieu of Franchise Fees							
1	Prior Year	2017	2018	2019	2020	2021	2022
2	Prior Year Revenues	\$9,610,465	\$10,447,425	\$11,304,903	\$12,266,156	\$13,316,513	\$13,770,821
3	Payment In Lieu of Franchise Fees Factor (% of Revenue)	6.1%	5.9%	5.9%	5.9%	5.9%	5.9%
4	Payment In Lieu of Franchise Fees Amount	\$588,153	\$616,398	\$666,989	\$723,703	\$785,674	\$812,478
5	Water Percentage	47.0%	47.0%	47.0%	47.0%	47.0%	47.0%
6	Wastewater Percentage	53.0%	53.0%	53.0%	53.0%	53.0%	53.0%
7	Water Allocation of Transfer	\$276,356	\$289,628	\$313,399	\$340,047	\$369,166	\$381,760
8	Wastewater Allocation of Transfer	311,797	326,771	353,590	383,656	416,509	430,718
9	Annual Payment In Lieu of Franchise Fees	<u>\$588,153</u>	<u>\$616,398</u>	<u>\$666,989</u>	<u>\$723,703</u>	<u>\$785,674</u>	<u>\$812,478</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	2018	2019	2020	2021	2022	2023
<u>Year End Cash Balances Roll-Up:</u>									
1	Water and Wastewater Operating Fund (440)	(U)	(U)	\$1,472,492	\$1,193,742	\$1,821,465	\$2,367,552	\$2,709,933	\$3,226,116
2	Charter Reserve Fund	(U)	(U)	340,219	680,439	1,020,658	1,360,877	1,701,097	1,701,097
3	Customer Deposits (Sub 440A)	(R)	(R)	839,018	839,857	840,697	841,538	842,379	843,221
4	Water Development Fee Fund (442)	(R)	(R)	123,317	126,815	130,316	133,821	137,329	140,841
5	Wastewater Development Fee Fund (443)	(R)	(R)	301,114	293,212	285,302	277,383	269,457	261,523
6	Renewal and Replacement Fund (444)	(U)	(U)	868,548	578,113	615,536	452,490	930,530	1,431,133
7	Rate Stabilization Fund (445)	(U)	(U)	0	0	0	0	0	0
8	Debt Service Reserve Fund	(R)	(U)	1,433,276	1,433,276	1,433,276	1,433,276	1,433,276	1,433,276
9	Proposed Bonds Construction Fund	(R)	(R)	0	0	0	3,094,000	0	0
10	Total Ending Cash Balances			\$5,377,985	\$5,145,453	\$6,147,249	\$9,960,938	\$8,024,002	\$9,037,209
11	Unrestricted Reserves (Operating & R&R)			\$2,341,041	\$1,771,855	\$2,437,001	\$2,820,042	\$3,640,463	\$4,657,250
12	Days of Revenues			87	60	76	81	101	125
<u>Water and Wastewater Operating Fund (440)</u>									
13	Beginning Balance			\$1,556,869	\$1,472,492	\$1,193,742	\$1,821,465	\$2,367,552	\$2,709,933
14	Transfers In - Revenue Requirements			9,844,726	10,699,685	11,660,032	12,709,483	13,162,886	13,582,271
15	Transfers In - Rate Stabilization Fund (As Cash Transfer Not Revenue)			745,268	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	389,656	394,761	399,932	405,171	410,479
20	Transfers In - Debt Service Reserve			0	0	0	0	0	0
21	Transfers Out - Revenue Requirements			9,844,690	10,852,360	11,320,980	12,351,425	13,197,539	13,476,567
22	Transfers Out - Capital Improvements			335,681	515,731	106,090	211,904	28,138	0
23	Transfers Out - R&R Fund			500,000	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)	\$1,515	\$1,333	\$1,508	\$2,095	\$2,539	\$2,968
	Recognition of Interest Income								
27	in Revenue Requirements			\$1,515	\$1,333	\$1,508	\$2,095	\$2,539	\$2,968
28	Ending Balance	(U)		\$1,472,492	\$1,193,742	\$1,821,465	\$2,367,552	\$2,709,933	\$3,226,116
29	Target Days of Available Cash: 45 Days of Revenue			1,213,733	1,319,139	1,437,538	1,566,923	1,622,822	1,674,527
30	Calculated Days of Available Cash (Revenue)			55	41	57	68	75	87
31	Percent Allocable to Water System			44.49%	44.48%	44.59%	44.69%	44.92%	44.93%
32	Percent Allocable to Wastewater System			55.51%	55.52%	55.41%	55.31%	55.08%	55.07%
33	Amount Allocable to Water System			\$674	\$593	\$672	\$936	\$1,140	\$1,334
34	Amount Allocable to Wastewater System			841	740	835	1,158	1,398	1,634
<u>Customer Deposits (Sub 440A)</u>									
35	Beginning Balance			\$838,180	\$839,018	\$839,857	\$840,697	\$841,538	\$842,379
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)	\$838	\$839	\$840	\$841	\$842	\$842
	Recognition of Interest Income								
40	in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
41	Ending Balance	(R)		\$839,018	\$839,857	\$840,697	\$841,538	\$842,379	\$843,221
42	Percent Allocable to Water System			52.28%	52.28%	52.28%	52.28%	52.28%	52.28%
43	Percent Allocable to Wastewater System			47.72%	47.72%	47.72%	47.72%	47.72%	47.72%
44	Amount Allocable to Water System			\$0	\$0	\$0	\$0	\$0	\$0
45	Amount Allocable to Wastewater System			0	0	0	0	0	0
<u>Water Development Fee Fund (442)</u>									
46	Beginning Balance			\$123,046	\$123,317	\$126,815	\$130,316	\$133,821	\$137,329
47	Transfers In			45,148	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)	\$123	\$125	\$129	\$132	\$136	\$139
	Recognition of Interest Income								
53	in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
54	Ending Balance	(R)		\$123,317	\$126,815	\$130,316	\$133,821	\$137,329	\$140,841

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	2018	2019	2020	2021	2022	2023
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
Wastewater Development Fee Fund (443)									
59	Beginning Balance			\$313,460	\$301,114	\$293,212	\$285,302	\$277,383	\$269,457
60	Transfers In			62,347	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)	\$307	\$297	\$289	\$281	\$273	\$265
	Recognition of Interest Income								
66	in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
67	Ending Balance	(R)		\$301,114	\$293,212	\$285,302	\$277,383	\$269,457	\$261,523
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
Renewal and Replacement Fund (444)									
72	Beginning Balance			\$158,475	\$868,548	\$578,113	\$615,536	\$452,490	\$930,530
73	Transfers In - Annual Operations			480,523	1,253,691	1,469,637	1,839,923	1,997,477	2,065,623
74	Transfers In - Impact Fee Funds			0	0	0	0	0	0
75	Transfers In - Fund 401			500,000	0	0	0	0	0
76	Transfers Out - CIP			270,450	1,544,126	1,432,215	2,002,969	1,519,437	1,565,020
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)	\$514	\$723	\$597	\$534	\$692	\$1,181
	Recognition of Interest Income								
80	in Revenue Requirements			\$514	\$723	\$597	\$534	\$692	\$1,181
81	Ending Balance	(U)		\$868,548	\$578,113	\$615,536	\$452,490	\$930,530	\$1,431,133
82	Percent Allocable to Water System			46.99%	46.99%	46.99%	46.99%	46.99%	46.99%
83	Percent Allocable to Wastewater System			53.01%	53.01%	53.01%	53.01%	53.01%	53.01%
84	Amount Allocable to Water System			\$241	\$340	\$280	\$251	\$325	\$555
85	Amount Allocable to Wastewater System			272	383	316	283	367	626
Rate Stabilization Fund (445)									
86	Beginning Balance			\$745,268	\$0	\$0	\$0	\$0	\$0
87	Transfers In			0	0	0	0	0	0
88	Transfers Out - As Cash			745,268	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)	\$373	\$0	\$0	\$0	\$0	\$0
	Recognition of Interest Income								
92	in Revenue Requirements			\$373	\$0	\$0	\$0	\$0	\$0
93	Ending Balance	(U)		\$0	\$0	\$0	\$0	\$0	\$0
94	Percent Allocable to Water System			44.98%	44.98%	44.98%	44.98%	44.98%	44.98%
95	Percent Allocable to Wastewater System			55.02%	55.02%	55.02%	55.02%	55.02%	55.02%
96	Amount Allocable to Water System			\$168	\$0	\$0	\$0	\$0	\$0
97	Amount Allocable to Wastewater System			205	0	0	0	0	0

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

Projection of Ending Cash Balances and Interest Income

Line No.	Description	Investment Reference		Projected Fiscal Year Ending September 30,					
		Cash Balance	Interest Income	2018	2019	2020	2021	2022	2023
Charter Reserve Fund									
98	Beginning Balance			\$0	\$340,219	\$680,439	\$1,020,658	\$1,360,877	\$1,701,097
99	Transfers In			340,219	340,219	340,219	340,219	340,219	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)	\$170	\$510	\$851	\$1,191	\$1,531	\$1,701
103	Recognition of Interest Income in Revenue Requirements			\$170	\$510	\$851	\$1,191	\$1,531	\$1,701
104	Ending Balance	(U)		\$340,219	\$680,439	\$1,020,658	\$1,360,877	\$1,701,097	\$1,701,097
105	Percent Allocable to Water System			44.98%	44.98%	44.98%	44.98%	44.98%	44.98%
106	Percent Allocable to Wastewater System			55.02%	55.02%	55.02%	55.02%	55.02%	55.02%
107	Amount Allocable to Water System			\$77	\$230	\$383	\$536	\$689	\$765
108	Amount Allocable to Wastewater System			94	281	468	655	842	936
Debt Service Reserve Fund									
109	Beginning Balance			\$1,433,276	\$1,433,276	\$1,433,276	\$1,433,276	\$1,433,276	\$1,433,276
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)	\$1,433	\$1,433	\$1,433	\$1,433	\$1,433	\$1,433
122	Recognition of Interest Income in Revenue Requirements			\$1,433	\$1,433	\$1,433	\$1,433	\$1,433	\$1,433
123	Ending Balance	(R)		\$1,433,276	\$1,433,276	\$1,433,276	\$1,433,276	\$1,433,276	\$1,433,276
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			\$717	\$717	\$717	\$717	\$717	\$717
127	Amount Allocable to Wastewater System			717	717	717	717	717	717
Proposed Bonds Construction Fund									
128	Beginning Balance			\$0	\$0	\$0	\$0	\$3,094,000	\$0
129	Transfers In			0	0	0	3,640,000	0	0
130	Transfers Out - CIP			0	0	0	546,000	3,094,000	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
133	Recognition of Interest Income in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
134	Ending Balance	(R)		\$0	\$0	\$0	\$3,094,000	\$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
Debt Service Sinking Fund									
139	Annual Debt Service Payment			\$2,199,831	\$2,211,538	\$2,019,931	\$2,372,659	\$2,587,959	\$2,710,339
140	Average Balance	(R)		549,958	552,885	504,983	593,165	646,990	677,585
141	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
142	Interest Income		(U)	\$550	\$553	\$505	\$593	\$647	\$678
143	Recognition of Interest Income in Revenue Requirements			\$550	\$553	\$505	\$593	\$647	\$678
144	Percent Allocable to Water System			51.98%	51.86%	47.29%	29.72%	35.59%	33.89%
145	Percent Allocable to Wastewater System			48.02%	48.14%	52.71%	70.28%	64.41%	66.11%
146	Amount Allocable to Water System			\$286	\$287	\$239	\$176	\$230	\$230
147	Amount Allocable to Wastewater System			264	266	266	417	417	448

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	2018	2019	2020	2021	2022	2023
<u>Interest Income:</u>									
148	Unrestricted Interest Income - Water (Includes GF Payback Interest)			\$1,994	\$15,266	\$12,838	\$10,578	\$8,443	\$6,289
149	Unrestricted Interest Income - Wastewater (Includes GF Payback Interest)			2,187	15,487	13,150	11,192	9,083	7,050
150	Total Unrestricted Interest Income			\$4,182	\$30,753	\$25,989	\$21,770	\$17,527	\$13,338
151	Restricted Interest Income			\$1,268	\$1,261	\$1,257	\$1,254	\$1,250	\$1,247
152	Total Interest Income			\$5,450	\$32,014	\$27,246	\$23,024	\$18,777	\$14,585

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,					
		2018	2019	2020	2021	2022	2023
<u>Operating Expenses: [1]</u>							
1	Administration Department	\$370,984	\$375,068	\$387,613	\$400,687	\$414,303	\$428,494
2	Water Department	1,672,331	1,788,479	1,861,664	1,938,485	2,019,081	2,103,679
3	Field Operations Department	687,274	727,412	754,592	783,158	813,178	844,754
4	Non-Departmental	183,421	179,140	184,307	189,630	195,113	200,760
5	Contingency - 1.00% of O&M	29,140	30,701	31,882	33,120	34,417	35,777
6	Bad Debt Expense - 0.25% of Rate Revenues	10,951	11,898	12,998	14,200	14,780	15,258
7	Other Adjustments - Retirement Benefits	0	0	0	0	0	0
8	Total Operating Expenses	\$2,954,100	\$3,112,699	\$3,233,056	\$3,359,280	\$3,490,873	\$3,628,722
<u>Debt Service Payments:</u>							
<u>Existing Debt Service: [2]</u>							
9	Utility System Refunding Revenue Note, Series 2016	\$451,450	\$451,388	\$451,132	\$451,524	\$451,283	\$451,259
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	689,503	692,864	501,438	77,183	0	0
13	Capital Improvement Revenue Note, Series 2014	0	0	0	0	0	0
14	Vehicle Lease 2016 Amer Cap Svc.	2,585	2,588	2,588	2,588	2,588	0
15	Total Existing Debt Service Payments	\$1,143,538	\$1,146,839	\$955,159	\$531,295	\$453,871	\$451,259
<u>Proposed Debt Service: [3]</u>							
16	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$173,890	\$173,890	\$173,890
17	Additional Senior Lien Debt 2	0	0	0	0	0	0
18	Additional Senior Lien Debt 3	0	0	0	0	0	0
19	Additional Senior Lien Debt 4	0	0	0	0	0	0
20	Additional Subordinate Lien Debt 1	\$0	\$0	\$0	\$0	\$0	\$0
21	Additional Subordinate Lien Debt 2	0	0	0	0	293,342	293,342
22	Additional Subordinate Lien Debt 3	0	0	0	0	0	0
23	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
24	Total Proposed Debt Service Payments	\$0	\$0	\$0	\$173,890	\$467,232	\$467,232
25	Total Annual Debt Service Payments	\$1,143,538	\$1,146,839	\$955,159	\$705,185	\$921,103	\$918,491
<u>Other Revenue Requirements:</u>							
26	General Fund Cost Allocation Transfer	\$0	\$0	\$0	\$0	\$0	\$0
27	Payment In Lieu of Franchise Fees [4]	\$276,356	\$289,628	\$313,399	\$340,047	\$369,166	\$381,760
28	Renewal and Replacement Fund Transfer [5]	225,784	589,073	690,540	864,527	938,556	970,576
29	Capital Funded From Rates [6]	124,978	105,000	84,000	57,540	92,879	92,879
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	151,375	151,330	151,706	152,047	152,811	0
32	Transfer to Rate Stabilization Fund	0	0	0	0	0	0
33	Total Other Revenue Requirements	\$778,492	\$1,135,030	\$1,239,645	\$1,414,161	\$1,553,412	\$1,445,216
34	Gross Revenue Requirements	\$4,876,130	\$5,394,569	\$5,427,859	\$5,478,626	\$5,965,388	\$5,992,429
<u>Other Revenues and Financial Resources:</u>							
35	Other Operating Revenues	\$294,206	\$295,772	\$296,225	\$296,678	\$297,131	\$297,583
36	Unrestricted Interest Income [7]	1,994	15,266	12,838	10,578	8,443	6,289
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	\$341,200	\$356,038	\$354,063	\$352,255	\$350,574	\$348,872
41	Net Revenue Requirements	\$4,534,930	\$5,038,531	\$5,073,796	\$5,126,371	\$5,614,814	\$5,643,557
<u>Revenue From Existing Water Rates:</u>							
42	Existing Rate Revenue	\$3,730,672	\$3,740,536	\$3,750,400	\$3,760,264	\$3,770,128	\$3,779,992
43	Prior Year Rate Adjustments	0	0	337,540	707,310	1,112,300	1,262,060
44	Total Rate Revenue Before Current Year Adjustment	\$3,730,672	\$3,740,536	\$4,087,940	\$4,467,574	\$4,882,428	\$5,042,052
<u>Revenue From Existing Wholesale Water Rates:</u>							
45	Existing Rate Revenue	\$649,568	\$649,568	\$649,568	\$649,568	\$649,568	\$649,568
46	Prior Year Rate Adjustments	0	0	58,460	122,180	191,640	216,880
47	Total Rate Revenue Before Current Year Adjustment	\$649,568	\$649,568	\$708,028	\$771,748	\$841,208	\$866,448
<u>Current Year Rate Adjustment - Water</u>							
48	Current Year Water Rate Adjustment	0.00%	9.00%	9.00%	9.00%	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,					
		2018	2019	2020	2021	2022	2023
	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	\$336,648	\$367,915	\$402,082	\$146,473	\$151,262
	<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	\$32,478	\$35,401	\$38,587	\$42,060	\$43,322
54	Total Revenue From Rates	\$4,380,240	\$4,759,231	\$5,199,284	\$5,679,991	\$5,912,170	\$6,103,084
55	Revenue Surplus / (Deficiency) [8]	<u>(\$154,690)</u>	<u>(\$279,300)</u>	<u>\$125,489</u>	<u>\$553,621</u>	<u>\$297,355</u>	<u>\$459,528</u>

Footnotes:

- [1] Amounts derived from the City's Fiscal Year 2018 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)	\$3,735,000	(50.00% Allocated to the Water System)
Issue Date	10/1/2020	
Interest Rate	4.50%	
Term (Years)	15	
Annual Average Debt Service	\$347,780	

Additional Subordinate Lien Debt 1

Principal (Includes Project Costs and Costs of Issuance)	\$6,370,000	(0.00% Allocated to the Water System)
Issue Date	10/1/2020	
Interest Rate	3.00%	
Term (Years)	20	
Annual Average Debt Service	\$428,164	

Additional Subordinate Lien Debt 2

Principal (Includes Project Costs and Costs of Issuance)	\$4,265,000	(100.00% Allocated to the Water System)
Issue Date	10/1/2021	
Interest Rate	3.25%	
Term (Years)	20	
Annual Average Debt Service	\$293,342	

Additional Subordinate Lien Debt 3

Principal (Includes Project Costs and Costs of Issuance)	\$1,815,000	(0.00% Allocated to the Water System)
Issue Date	10/1/2022	
Interest Rate	3.50%	
Term (Years)	20	
Annual Average Debt Service	\$127,705	

- [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,					
		2018	2019	2020	2021	2022	2023
<u>Operating Expenses: [1]</u>							
1	Administration Department	\$479,936	\$485,220	\$501,449	\$518,362	\$535,978	\$554,337
2	Wastewater Department	1,936,277	1,957,976	2,127,744	2,210,909	2,298,042	2,389,385
3	Wastewater Collection Department	583,074	574,614	645,238	670,911	697,856	726,153
4	Field Operations Department	472,345	519,463	518,610	538,243	558,875	580,576
5	Non-Departmental	189,276	182,959	188,165	193,529	199,053	204,743
6	Contingency - 1.00% of O&M	36,609	37,202	39,812	41,320	42,898	44,552
7	Bad Debt Expense - 0.25% of Rate Revenues	13,661	14,851	16,152	17,574	18,127	18,698
8	Other Adjustments - Retirement Benefits	0	0	0	0	0	0
9	Total Operating Expenses	\$3,711,178	\$3,772,286	\$4,037,170	\$4,190,848	\$4,350,830	\$4,518,445
<u>Debt Service Payments:</u>							
<u>Existing Debt Service: [2]</u>							
10	Utility System Refunding Revenue Note, Series 2016	\$623,431	\$623,345	\$622,993	\$623,533	\$623,200	\$623,167
11	SRF Loan - #WW640520	383,969	383,969	383,969	383,969	383,969	383,969
12	SRF 2017 Loan - #WW640530	9,943	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	36,365	36,440	36,866	36,973	36,689	36,597
15	Vehicle Lease 2016 Amer Cap Svc.	2,585	2,588	2,588	2,588	2,588	0
16	Total Existing Debt Service Payments	\$1,056,293	\$1,064,699	\$1,064,772	\$1,065,420	\$1,064,802	\$1,062,089
<u>Proposed Debt Service: [3]</u>							
17	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$173,890	\$173,890	\$173,890
18	Additional Senior Lien Debt 2	0	0	0	0	0	0
19	Additional Senior Lien Debt 3	0	0	0	0	0	0
20	Additional Senior Lien Debt 4	0	0	0	0	0	0
21	Additional Subordinate Lien Debt 1	\$0	\$0	\$0	\$428,164	\$428,164	\$428,164
22	Additional Subordinate Lien Debt 2	0	0	0	0	0	0
23	Additional Subordinate Lien Debt 3	0	0	0	0	0	127,705
24	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
25	Total Proposed Debt Service Payments	\$0	\$0	\$0	\$602,054	\$602,054	\$729,759
26	Total Annual Debt Service Payments	\$1,056,293	\$1,064,699	\$1,064,772	\$1,667,474	\$1,666,856	\$1,791,848
<u>Other Revenue Requirements:</u>							
27	General Fund Cost Allocation Transfer	\$0	\$0	\$0	\$0	\$0	\$0
28	Payment In Lieu of Franchise Fees [4]	\$311,797	\$326,771	\$353,590	\$383,656	\$416,509	\$430,718
29	Renewal and Replacement Fund Transfer [5]	254,739	664,618	779,097	975,397	1,058,920	1,095,047
30	Capital Funded From Rates [6]	172,588	196,500	222,090	216,051	297,088	390,258
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	188,845	188,889	188,513	188,172	187,408	0
33	Transfer to Rate Stabilization Fund	0	0	0	0	0	0
34	Total Other Revenue Requirements	\$927,969	\$1,376,778	\$1,543,291	\$1,763,276	\$1,959,926	\$1,916,023
35	Gross Revenue Requirements	\$5,695,440	\$6,213,763	\$6,645,233	\$7,621,598	\$7,977,612	\$8,226,316
<u>Other Revenues and Financial Resources:</u>							
36	Other Operating Revenues	\$308,493	\$309,446	\$309,899	\$310,351	\$310,804	\$311,257
37	Unrestricted Interest Income [7]	2,187	15,487	13,150	11,192	9,083	7,050
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	\$385,681	\$399,933	\$398,049	\$396,544	\$394,887	\$393,306
42	Net Revenue Requirements	\$5,309,760	\$5,813,829	\$6,247,184	\$7,225,054	\$7,582,725	\$7,833,010
<u>Revenue From Existing Wastewater Rates:</u>							
43	Existing Wastewater Rate Revenue	\$5,091,320	\$5,107,052	\$5,122,784	\$5,138,516	\$5,154,248	\$5,169,979
44	Prior Year Rate Adjustments	0	0	461,050	966,550	1,520,650	1,726,150
45	Total Rate Revenue Before Current Year Adjustment	\$5,091,320	\$5,107,052	\$5,583,834	\$6,105,066	\$6,674,898	\$6,896,129
<u>Current Year Rate Adjustment</u>							
46	Current Year Wastewater Rate Adjustment Effective Month	0.00%	9.00%	9.00%	9.00%	3.00%	3.00%
47	Percent of Current Year Effective	17%	100%	100%	100%	100%	100%
48	Total Revenue From Current Year Adjustments	\$0	\$459,635	\$502,545	\$549,456	\$200,247	\$206,884
<u>Revenue From Existing Reclaimed Rates:</u>							
49	Existing Reclaimed Rate Revenue	\$373,165	\$373,767	\$374,369	\$374,970	\$375,572	\$376,174
50	Prior Year Rate Adjustments	0	0	0	0	0	0
51	Total Rate Revenue Before Current Year Adjustment	\$373,165	\$373,767	\$374,369	\$374,970	\$375,572	\$376,174

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,					2023
		2018	2019	2020	2021	2022	
<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	Total Revenue From Rates	\$5,464,486	\$5,940,454	\$6,460,748	\$7,029,492	\$7,250,716	\$7,479,187
56	Revenue Surplus / (Deficiency) [8]	\$154,726	\$126,625	\$213,564	(\$195,562)	(\$332,008)	(\$353,823)

Footnotes:

- [1] Amounts derived from the City's Fiscal Year 2018 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) | \$3,735,000 | (50.00% Allocated to the Wastewater System) |
| Issue Date | 10/1/2020 | |
| Interest Rate | 4.50% | |
| Term (Years) | 15 | |
| Annual Average Debt Service | \$347,780 | |
- Additional Subordinate Lien Debt 1
- | | | |
|--|-------------|--|
| Principal (Includes Project Costs and Costs of Issuance) | \$6,370,000 | (100.00% Allocated to the Wastewater System) |
| Issue Date | 10/1/2020 | |
| Interest Rate | 3.00% | |
| Term (Years) | 20 | |
| Annual Average Debt Service | \$428,164 | |
- Additional Subordinate Lien Debt 2
- | | | |
|--|-------------|--|
| Principal (Includes Project Costs and Costs of Issuance) | \$4,265,000 | (0.00% Allocated to the Wastewater System) |
| Issue Date | 10/1/2021 | |
| Interest Rate | 3.25% | |
| Term (Years) | 20 | |
| Annual Average Debt Service | \$293,342 | |
- Additional Subordinate Lien Debt 3
- | | | |
|--|-------------|--|
| Principal (Includes Project Costs and Costs of Issuance) | \$1,815,000 | (100.00% Allocated to the Wastewater System) |
| Issue Date | 10/1/2022 | |
| Interest Rate | 3.50% | |
| Term (Years) | 20 | |
| Annual Average Debt Service | \$127,705 | |
- [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,					
		2018	2019	2020	2021	2022	2023
<u>Operating Expenses: [1]</u>							
1	Administration Department	\$850,920	\$860,288	\$889,062	\$919,049	\$950,281	\$982,831
2	Water Department	1,672,331	1,788,479	1,861,664	1,938,485	2,019,081	2,103,679
3	Wastewater Department	1,936,277	1,957,976	2,127,744	2,210,909	2,298,042	2,389,385
4	Wastewater Collection Department	583,074	574,614	645,238	670,911	697,856	726,153
5	Field Operations Department	1,159,618	1,246,875	1,273,202	1,321,402	1,372,053	1,425,330
6	Non-Departmental	372,697	362,099	372,472	383,159	394,166	405,503
7	Contingency - 1.00% of O&M	65,749	67,903	71,694	74,439	77,315	80,329
8	Bad Debt Expense - 0.25% of Rate Revenues	24,612	26,749	29,150	31,774	32,907	33,956
9	Other Adjustments - Retirement Benefits	0	0	0	0	0	0
10	Total Operating Expenses	\$6,665,278	\$6,884,985	\$7,270,226	\$7,550,128	\$7,841,703	\$8,147,167
<u>Debt Service Payments:</u>							
<u>Existing Debt Service: [2]</u>							
11	Utility System Refunding Revenue Note, Series 2016	\$1,074,881	\$1,074,733	\$1,074,125	\$1,075,057	\$1,074,483	\$1,074,426
12	SRF Loan - #WW640520	383,969	383,969	383,969	383,969	383,969	383,969
13	SRF 2017 Loan - #WW640530	9,943	18,356	18,356	18,356	18,356	18,356
14	Lease Refunding Note, Series 2013	689,503	692,864	501,438	77,183	0	0
15	Capital Improvement Revenue Note, Series 2014	36,365	36,440	36,866	36,973	36,689	36,597
16	Vehicle Lease 2016 Amer Cap Svc.	5,170	5,176	5,176	5,176	5,176	0
17	Total Existing Debt Service Payments	\$2,199,831	\$2,211,538	\$2,019,931	\$1,596,715	\$1,518,673	\$1,513,348
<u>Proposed Debt Service: [3]</u>							
18	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$347,780	\$347,780	\$347,780
19	Additional Senior Lien Debt 2	0	0	0	0	0	0
20	Additional Senior Lien Debt 3	0	0	0	0	0	0
21	Additional Senior Lien Debt 4	0	0	0	0	0	0
22	Additional Subordinate Lien Debt 1	0	0	0	428,164	428,164	428,164
23	Additional Subordinate Lien Debt 2	0	0	0	0	293,342	293,342
24	Additional Subordinate Lien Debt 3	0	0	0	0	0	127,705
25	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
26	Total Proposed Debt Service Payments	\$0	\$0	\$0	\$775,944	\$1,069,286	\$1,196,991
27	Total Annual Debt Service Payments	\$2,199,831	\$2,211,538	\$2,019,931	\$2,372,659	\$2,587,959	\$2,710,339
<u>Other Revenue Requirements:</u>							
28	General Fund Cost Allocation Transfer	\$0	\$0	\$0	\$0	\$0	\$0
29	Payment In Lieu of Franchise Fees [4]	\$588,153	\$616,398	\$666,989	\$723,703	\$785,674	\$812,478
30	Renewal and Replacement Fund Transfer [5]	480,523	1,253,691	1,469,637	1,839,923	1,997,477	2,065,623
31	Capital Funded From Rates [6]	297,566	301,500	306,090	273,591	389,968	483,137
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	340,219	340,219	340,219	340,219	340,219	0
35	Transfer to Rate Stabilization Fund	0	0	0	0	0	0
36	Total Other Revenue Requirements	\$1,706,462	\$2,511,808	\$2,782,936	\$3,177,437	\$3,513,338	\$3,361,239
37	Gross Revenue Requirements	\$10,571,570	\$11,608,331	\$12,073,092	\$13,100,224	\$13,943,000	\$14,218,745
<u>Other Revenues and Financial Resources:</u>							
38	Other Operating Revenues	\$602,699	\$605,218	\$606,124	\$607,029	\$607,935	\$608,840
39	Unrestricted Interest Income [7]	4,182	30,753	25,989	21,770	17,527	13,338
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	\$726,880	\$755,971	\$752,112	\$748,799	\$745,461	\$742,178
44	Net Revenue Requirements	\$9,844,690	\$10,852,360	\$11,320,980	\$12,351,425	\$13,197,539	\$13,476,567
<u>Revenue From Combined Rates:</u>							
45	Existing Rate Revenue	\$9,844,726	\$9,870,924	\$9,897,121	\$9,923,318	\$9,949,516	\$9,975,713
46	Revenue From Current Year Adjustments	0	828,761	905,861	990,125	388,780	401,468
47	Revenue From Prior Year Rate Adjustments	0	0	857,050	1,796,040	2,824,590	3,205,090
48	Total Revenue From Rates	\$9,844,726	\$10,699,685	\$11,660,032	\$12,709,483	\$13,162,886	\$13,582,271
49	Revenue Surplus / (Deficiency) [8]	\$36	(\$152,675)	\$339,052	\$358,059	(\$34,653)	\$105,704
50	Percentage Surplus / (Deficiency)	0.00%	-1.43%	2.91%	2.82%	-0.26%	0.78%

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 2018 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)	\$3,735,000
Issue Date	10/1/2020
Interest Rate	4.50%
Term (Years)	15
Annual Average Debt Service	\$347,780
Additional Subordinate Lien Debt 1	
Principal (Includes Project Costs and Costs of Issuance)	\$6,370,000
Issue Date	10/1/2020
Interest Rate	3.00%
Term (Years)	20
Annual Average Debt Service	\$428,164
Additional Subordinate Lien Debt 2	
Principal (Includes Project Costs and Costs of Issuance)	\$4,265,000
Issue Date	10/1/2021
Interest Rate	3.25%
Term (Years)	20
Annual Average Debt Service	\$293,342
Additional Subordinate Lien Debt 3	
Principal (Includes Project Costs and Costs of Issuance)	\$1,815,000
Issue Date	10/1/2022
Interest Rate	3.50%
Term (Years)	20
Annual Average Debt Service	\$127,705

- [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.					
		2018	2019	2020	2021	2022	2023
<u>Senior Lien Test: (CAFR Presentation Method)</u>							
49	Net Revenues	\$3,785,815	\$4,449,948	\$5,021,322	\$5,787,620	\$5,945,953	\$6,056,101
50	Total Senior Lien Bond Service Requirements	\$1,074,881	\$1,074,733	\$1,074,125	\$1,422,837	\$1,422,263	\$1,422,206
51	Calculated Ratio	352.21%	414.05%	467.48%	406.77%	418.06%	425.82%
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	\$1,585,984	\$2,238,410	\$3,001,391	\$3,414,961	\$3,357,994	\$3,345,762
54	Use of Impact Fees for Debt Service Payments	120,000	120,000	120,000	120,000	120,000	120,000
55	Subtotal	\$1,705,984	\$2,358,410	\$3,121,391	\$3,534,961	\$3,477,994	\$3,465,762
<u>Less Other Payments and Transfers from Rates:</u>							
56	Payment In Lieu of Franchise Fees	[5] \$588,153	\$616,398	\$666,989	\$723,703	\$785,674	\$812,478
57	General Fund Cost Allocation Transfer	0	0	0	0	0	0
58	Renewal and Replacement Fund Transfer	480,523	1,253,691	1,469,637	1,839,923	1,997,477	2,065,623
59	Capital Funded From Rates	297,566	301,500	306,090	273,591	389,968	483,137
60	Transfer to Charter Reserve Fund	340,219	340,219	340,219	340,219	340,219	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)	514	723	597	534	692	1,181
64	Net Amount Available for Other Utility System Purposes	\$36	(\$152,675)	\$339,052	\$358,059	(\$34,653)	\$105,704

Footnotes located on following page.

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

Projection of Debt Service Coverage Compliance

Footnotes:

- [1] Projected revenue from rates reflects existing rates effective October 1, 2017.
- [2] Revenue from water and wastewater rate adjustments reflect the following projected rate increases effective October 1st of each year.

Fiscal Year	2018	2019	2020	2021	2022	2023
Rate Adjustment	0.00%	9.00%	9.00%	9.00%	3.00%	3.00%

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

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

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

Line No.	Description	Residential Service for a 5/8" or 3/4" Meter							
		0 Gallons	2,000 Gallons	3,000 Gallons [2]	4,000 Gallons	6,000 Gallons	8,000 Gallons	10,000 Gallons	15,000 Gallons
City of Edgewater, Florida									
1	Existing Rates	\$11.72	\$15.66	\$22.21	\$28.76	\$43.51	\$59.91	\$76.31	\$127.51
2	Proposed Rates - Fiscal Year 2019	12.77	17.07	24.21	31.35	47.43	65.30	83.18	138.99
Other Florida Utilities:									
3	City of Daytona Beach [3]	\$16.37	\$21.76	\$27.15	\$32.54	\$43.32	\$54.10	\$64.88	\$91.83
4	City of DeLand [4]	11.97	16.01	18.03	20.05	25.40	32.06	38.72	64.97
5	City of Deltona	12.25	15.67	17.38	19.09	24.24	31.12	38.00	68.05
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]	17.86	17.86	24.88	31.90	45.94	59.98	74.02	109.12
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	11.07	18.65	22.44	26.23	33.81	43.28	54.64	88.71
11	City of Ormond Beach	15.08	15.08	18.26	21.44	27.80	35.34	42.88	61.73
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]	11.43	11.43	13.65	15.87	20.31	26.15	31.99	49.17
14	Seminole County [3]	13.28	15.52	16.64	17.76	20.00	22.24	24.48	33.73
15	City of South Daytona	14.53	20.16	25.79	31.42	42.68	54.44	66.70	97.35
16	Volusia County - Softened	13.92	21.80	25.74	29.68	38.47	48.17	57.87	82.92
17	Other Utilities' Average	\$13.48	\$16.74	\$20.33	\$23.94	\$31.44	\$39.69	\$48.19	\$72.54
18	Minimum	9.90	11.43	13.65	15.68	18.16	22.08	24.48	33.73
19	Maximum	18.30	21.80	27.15	32.54	46.70	60.90	75.10	110.60

Footnotes:

- [1] Unless otherwise noted, amounts shown reflect residential rates in effect June 2018 and are exclusive of taxes or franchise fees, if any, and reflect rates charged for inside the city service. All rates are as reported by the respective utility. This comparison is intended to show comparable charges for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility.
- [2] Reflects average usage of a typical single family residential customer with both water and wastewater service within the service area of the City of Edgewater utility system.
- [3] Utility is currently involved in a rate study, is planning to conduct a rate study, or plans to implement a rate revision or price index / pass-through adjustment within the next twelve months following the comparison preparation date.
- [4] Utility bills a separate charge, applied on a "per bill basis," regardless of type of service. Such charge has been included in the rates for water service since this is the predominant service received by utility customers.
- [5] Includes a \$3.00 renewal and replacement fee.

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

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

Line No.	Description	Residential Service for a 5/8" or 3/4" Meter							
		0 Gallons	2,000 Gallons	3,000 Gallons [2]	4,000 Gallons	6,000 Gallons	8,000 Gallons	10,000 Gallons	15,000 Gallons
City of Edgewater, Florida									
1	Existing Rates	\$17.00	\$30.38	\$37.07	\$43.76	\$57.14	\$70.52	\$83.90	\$117.35
2	Proposed Rates - Fiscal Year 2019	18.53	33.11	40.41	47.70	62.28	76.87	91.45	127.91
Other Florida Utilities:									
3	City of Daytona Beach [3]	\$13.58	\$22.85	\$32.12	\$41.39	\$59.93	\$78.47	\$97.01	\$143.36
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	18.66	49.90	65.52	81.14	117.07	157.69	198.31	198.31
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]	20.09	20.09	28.17	36.25	52.41	68.57	84.73	125.13
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	22.07	37.27	44.87	52.47	67.67	82.87	90.47	90.47
11	City of Ormond Beach	18.79	18.79	23.22	27.65	36.51	45.37	54.23	76.38
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]	21.07	21.07	26.81	32.55	44.03	55.51	66.99	78.47
14	Seminole County [3]	21.10	30.70	35.50	40.30	49.90	59.50	69.10	93.10
15	City of South Daytona [3]	15.71	22.95	30.19	37.43	51.91	67.09	82.97	122.67
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	\$19.18	\$28.14	\$34.52	\$40.89	\$53.98	\$67.45	\$80.43	\$97.72
18	Minimum	11.70	18.79	23.22	27.65	36.51	45.37	54.23	58.70
19	Maximum	26.10	49.90	65.52	81.14	117.07	157.69	198.31	198.31

Footnotes:

- [1] Unless otherwise noted, amounts shown reflect residential rates in effect June 2018 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
City of Edgewater, Florida									
1	Existing Rates	\$28.72	\$46.04	\$59.28	\$72.52	\$100.65	\$130.43	\$160.21	\$244.86
2	Proposed Rates - Fiscal Year 2019	31.30	50.18	64.62	79.05	109.71	142.17	174.63	266.90
Other Florida Utilities:									
3	City of Daytona Beach [3]	\$29.95	\$44.61	\$59.27	\$73.93	\$103.25	\$132.57	\$161.89	\$235.19
4	City of DeLand [4]	36.38	50.08	56.93	63.78	78.79	95.11	111.43	137.68
5	City of Deltona	30.91	65.57	82.90	100.23	141.31	188.81	236.31	266.36
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]	37.95	37.95	53.05	68.15	98.35	128.55	158.75	234.25
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	33.14	55.92	67.31	78.70	101.48	126.15	145.11	179.18
11	City of Ormond Beach	33.87	33.87	41.48	49.09	64.31	80.71	97.11	138.11
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]	32.50	32.50	40.46	48.42	64.34	81.66	98.98	127.64
14	Seminole County [3]	34.38	46.22	52.14	58.06	69.90	81.74	93.58	126.83
15	City of South Daytona [3]	30.24	43.11	55.98	68.85	94.59	121.53	149.67	220.02
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	\$32.65	\$44.88	\$54.84	\$64.83	\$85.42	\$107.14	\$128.61	\$170.27
18	Minimum	21.60	32.50	40.46	48.42	61.19	73.25	85.31	108.58
19	Maximum	37.95	65.57	82.90	100.23	141.31	188.81	236.31	266.36

Footnotes:

- [1] Unless otherwise noted, amounts shown reflect residential rates in effect June 2018 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



CITY OF EDGEWATER, FLORIDA

WATER, WASTEWATER, SOLID WASTE, AND STORMWATER UTILITY RATE STUDY – FISCAL YEAR 2018 UPDATE

SECTION 2 – SOLID WASTE SYSTEM

CUSTOMER GROWTH AND REVENUES

Projected revenues from rates for the solid waste system were based on the schedule of solid waste and recycling rates and charges reflected in Resolution No. 2017-R-24, which contains adopted rates for Fiscal Years 2018 through 2022. In order to calculate projected revenues from rates for the Forecast Period, the existing rates were applied to the projected billing statistics. Based on revised growth projections and discussions with City staff, this analysis recognizes 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 \$3.6 million per year over the Forecast Period. Other miscellaneous operating revenues are projected, on average, to be approximately \$3,000 per year and interest earnings on unrestricted fund balances are estimated to average approximately \$1,100 per year as shown on Tables 2-1 and 2-2.

OPERATING AND MAINTENANCE EXPENSES

The Fiscal Year 2018 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 2018 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 2017 operating budget of \$3.5 million being adjusted down to approximately \$3.0 million in cash operating expenses, as shown in Table 2-3. One additional equipment operator was added to the expense projections in Fiscal Year 2019 for approximately \$48,000 per year. A contingency allowance of two percent (2.0%) 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 \$64,000 and \$9,000 annually, respectively. Operation and maintenance expenses are projected to increase by an annual average of approximately 3.73% per year from Fiscal Year 2018 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 – reduction of 7.0% in Fiscal Year 2019, followed by a 10.0% increase per year thereafter
3. Consumer Price Index (CPI) – Average of 2.4% 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 2018 – 2023 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 \$8.0 million to fund a transfer station, collection 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, 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 \$111,000 in 2022, increasing to \$408,000 by Fiscal Year 2023. Payments for the proposed senior lien debt include amounts for the solid waste transfer station and a 15% allocation of the public works building of approximately \$298,000 and \$111,000, respectively. As shown on Table 2-6, ongoing vehicle replacements are anticipated to be funded from capital leases with the annual payments increasing to \$375,000 per year in lease payments by 2023. 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 Payment in-lieu-of Franchise Fee (PILOFF). This amount is funded each year of the Forecast Period and averages approximately \$243,000 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 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 \$131,000 per year for Fiscal Years 2018 through 2022 to achieve this target. Additionally, the City targets an operating fund cash balance of between 30 to 60 days of rate revenue for the solid waste system. By the end of the Forecast Period, the City is projected to have \$0.9 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 rate increases adopted by Resolution No. 2017-R-24 will be sufficient and certain reductions to the previously adopted rate

adjustments are recommended 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 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,					
	2018	2019	2020	2021	2022	2023
Adopted/Previously Recommended Rate Adjustments (Resolution No. 2017-R-24):	9.0%	9.0%	9.0%	9.0%	9.0%	N/A
Proposed Solid Waste Rate Adjustments	N/A [1]	6.0%	6.0%	6.0%	6.0%	3.0%
System Revenue Surplus / (Deficiency)	\$545	(\$99,583)	\$374,478	\$186,360	\$311,081	\$54,144
Operating Fund (Ending Balance)	\$787,800	\$688,218	\$1,062,696	\$1,249,056	\$1,560,136	\$914,280
Days of Cash (Target of 30-60 Days of Rate Revenue)	81	66	96	107	125	71
Charter Reserve Fund (Ending Balance)	\$131,136	\$262,470	\$393,934	\$525,530	\$657,258	\$657,915
Senior Lien Debt Service Coverage (Test 1.00)	N/A	N/A	N/A	N/A	10.13	281.80
Subordinate Lien Debt Service Coverage (Test 1.15)	N/A	N/A	15.45	5.94	3.78	1.98
All-In Debt Service Coverage (Target 1.50)	N/A	N/A	15.45	5.94	2.96	1.47

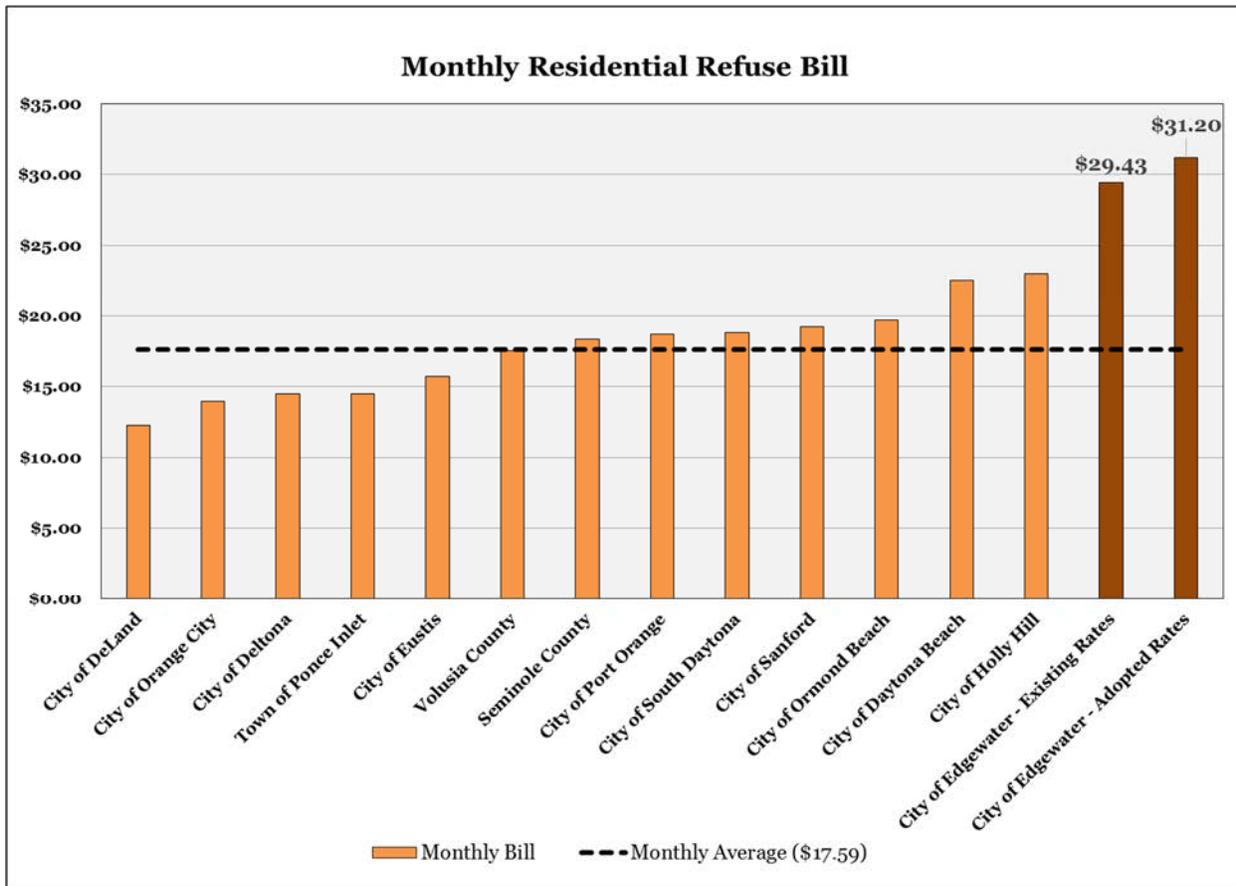
[1] Rates were adjusted at the beginning of Fiscal Year 2018 by 9.0%.

This report is based on a base case analysis under the solid waste utility system's existing configuration without any changes. Should the City decide to implement the recommended changes recommended in the operational review 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 2019 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 2019.



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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
COLLECTION											
<u>Residential:</u>											
1	Customer Growth	N/A	40	1	84	25	25	25	25	25	25
2	Number of Bills	110,284	110,759	110,768	111,773	112,073	112,373	112,673	112,973	113,273	113,573
3	Average Number of Customers	9,190	9,230	9,231	9,314	9,339	9,364	9,389	9,414	9,439	9,464
4	Monthly Collection Fee	\$20.15	\$20.15	\$21.96	\$23.94	\$26.09	\$26.09	\$26.09	\$26.09	\$26.09	\$26.09
5	Total Residential Collection Revenue	\$2,222,223	\$2,231,794	\$2,432,465	\$2,657,403	\$2,923,985	\$2,931,812	\$2,939,639	\$2,947,466	\$2,955,293	\$2,963,120
<u>Multi-Family:</u>											
6	Customer Growth	N/A	10	(0)	(1)	0	0	0	0	0	0
7	Number of Bills	320	436	433	427	427	427	427	427	427	427
8	Average Number of Customers	27	36	36	36	36	36	36	36	36	36
9	Number of Units	2,002	4,640	4,534	4,505	4,505	4,505	4,505	4,505	4,505	4,505
10	Monthly Collection Fee	\$20.15	\$20.15	\$21.96	\$23.94	\$26.09	\$26.09	\$26.09	\$26.09	\$26.09	\$26.09
11	Total Multi-Family Collection Revenue	\$40,340	\$93,496	\$99,567	\$107,106	\$117,535	\$117,535	\$117,535	\$117,535	\$117,535	\$117,535
<u>Commercial:</u>											
12	Customer Growth	N/A	1	3	21	3	5	5	5	5	5
13	Number of Bills	3,025	3,041	3,075	3,324	3,360	3,420	3,480	3,540	3,600	3,660
14	Average Number of Customers	252	253	256	277	280	285	290	295	300	305
15	Number of Units	5,587	4,052	4,079	4,326	4,373	4,451	4,529	4,607	4,685	4,763
16	Monthly Collection Fee	\$22.65	\$22.65	\$24.92	\$27.16	\$29.60	\$29.60	\$29.60	\$29.60	\$29.60	\$29.60
17	Total Commercial Collection Revenue	\$126,546	\$91,778	\$101,649	\$116,687	\$129,436	\$131,748	\$134,059	\$136,371	\$138,682	\$140,993
18	Early Prepayment Discount Factor (%)	N/A	N/A	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%	0.00%
19	Early Prepayment Discount (\$)	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0
20	Total Collection Revenue	\$2,389,108	\$2,417,068	\$2,633,681	\$2,881,196	\$3,170,956	\$3,181,095	\$3,191,233	\$3,201,372	\$3,211,510	\$3,221,648

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
RECYCLING											
21		9,469	9,520	9,523	9,627	9,655	9,685	9,715	9,745	9,775	9,805
	<u>Residential:</u>										
22	Customer Growth	N/A	56	117	40	25	25	25	25	25	25
23	Number of Bills	110,387	111,059	112,464	112,946	113,246	113,546	113,846	114,146	114,446	114,746
24	Number of Units	N/A	N/A	9,664	9,627	9,652	9,677	9,702	9,727	9,752	9,777
25	Average Number of Customers	9,199	9,255	9,372	9,412	9,437	9,462	9,487	9,512	9,537	9,562
26	Monthly Recycling Fee	\$2.60	\$2.60	\$2.65	\$3.06	\$3.34	\$3.34	\$3.34	\$3.34	\$3.34	\$3.34
27	Subtotal Recycling Revenue	\$287,006	\$288,753	\$307,315	\$353,503	\$386,852	\$387,854	\$388,856	\$389,858	\$390,860	\$391,862
28	Early Prepayment Discount Factor (%)	N/A	N/A	N/A	N/A	N/A	N/A	0.00%	0.00%	0.00%	0.00%
29	Early Prepayment Discount (\$)	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0
30	Total Recycling Revenue	\$287,006	\$288,753	\$307,315	\$353,503	\$386,852	\$387,854	\$388,856	\$389,858	\$390,860	\$391,862
EXTRA CANS (>3 CANS)											
31	Extra Can Growth	N/A	0	7	0	0	0	0	0	0	0
32	Number of Bills	12	12	19	19	19	19	19	19	19	19
33	Average Monthly Number of Extra Cans	2	2	9	9	9	9	9	9	9	9
34	Monthly Extra Can Fee	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00
35	Total Extra Cans Revenue	\$72	\$72	\$324	\$324	\$324	\$324	\$324	\$324	\$324	\$324
36	Total Rate Revenues	<u>\$2,676,187</u>	<u>\$2,705,893</u>	<u>\$2,941,320</u>	<u>\$3,235,024</u>	<u>\$3,558,133</u>	<u>\$3,569,273</u>	<u>\$3,580,413</u>	<u>\$3,591,554</u>	<u>\$3,602,694</u>	<u>\$3,613,834</u>

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 2018	Adjustments	Adjusted 2018	Escalation Reference	Fiscal Year Ending September 30,				
							2019	2020	2021	2022	2023
SYSTEM REVENUES											
1	447-0000-343.41-10	Refuse Collection - Residential / Non-Residential	\$3,015,483	\$155,797	\$3,171,280	Input	\$3,181,419	\$3,191,557	\$3,201,696	\$3,211,834	\$3,221,972
2	447-0000-343.42-10	Recycling	363,003	23,850	386,852	Input	387,854	388,856	389,858	390,860	391,862
3	447-0000-361.10-10	Interest	0	0	0	Eliminate	0	0	0	0	0
4	447-0000-365.10-00	Sale of Surplus	5,000	0	5,000	Eliminate	0	0	0	0	0
5	447-0000-369.90-00	Other Miscellaneous Revenue	0	0	0	Inflation	0	0	0	0	0
6	447-0000-369.90-10	Miscellaneous Revenue	2,000	0	2,000	Constant	2,000	2,000	2,000	2,000	2,000
7	447-0000-369.90-20	Retirement Forfeitures	0	0	0	Eliminate	0	0	0	0	0
8	447-0000-384.01-00	Proceeds from Long-Term Debt	0	0	0	Eliminate	0	0	0	0	0
9	447-0000-384.17-01	Capital Improvement Note 2017	0	0	0	Eliminate	0	0	0	0	0
10	447-0000-389.90-12	Unreserved Proprietary	150,734	(150,734)	0	Eliminate	0	0	0	0	0
11		TOTAL SYSTEM REVENUES	<u>\$3,536,220</u>	<u>\$28,913</u>	<u>\$3,565,133</u>		<u>\$3,571,273</u>	<u>\$3,582,413</u>	<u>\$3,593,554</u>	<u>\$3,604,694</u>	<u>\$3,615,834</u>

Footnotes:

[1] Budgeted amounts shown are based on the Fiscal Year 2018 Adopted Operating Budget.

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

Fiscal Year 2018 Adopted Budget

Line No.	Cost Center ID Code	Description	Budget 2018	Adjustments	Adjusted 2018
Solid Waste Utility Operating Expenses					
Environmental Services					
Refuse Department - 4060					
<u>Personnel Services:</u>					
1	447-4060-534.12-10	Regular Salaries and Wages	\$759,409	\$0	\$759,409
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	0	0	0
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	42,689	0	42,689
8	447-4060-534.21-20	Medicare	9,983	0	9,983
9	447-4060-534.22-10	Retirement Contributions	0	0	0
10	447-4060-534.22-20	DCSE	86,517	0	86,517
11	447-4060-534.23-10	Life Insurance	3,635	0	3,635
12	447-4060-534.23-20	Group Medical Insurance	322,613	0	322,613
13	447-4060-534.2330	Dental Insurance	6,496	0	6,496
14	447-4060-534.23-40	Long-Term Disability	6,511	0	6,511
15	447-4060-534.23-90	Other Post Employment Benefits (OPEB)	0	9,778	9,778
16	447-4060-534.24-10	Worker's Compensation	65,042	0	65,042
17		Total Personnel Services	\$1,306,145	\$9,778	\$1,315,923
<u>Operating Expenses:</u>					
18	447-4060-534.31-10	Professional Services	\$20,000	\$0	\$20,000
19	447-4060-534.34-10	Other Contractual Services	27,560	0	27,560
20	447-4060-534.34-10	Volusia County Landfill	390,000	(51,148)	338,852
21	447-4060-534.34-10	Cloer & Sons / Green Waste Disposal	220,000	(28,852)	191,148
22	447-4060-534.40-10	Travel and Per Diem	297	0	297
23	447-4060-534.41-10	Telephone	0	0	0
24	447-4060-534.41-30	Legal Ads	0	0	0
25	447-4060-534.41-40	Postage	10,000	0	10,000
26	447-4060-534.43-10	Electric	1,800	0	1,800
27	447-4060-534.43-30	Water / Sewer / Trash	5,201	0	5,201
28	447-4060-534.44-10	Rent	104	0	104
29	447-4060-534.46-10	Repair & Maintenance	2,800	0	2,800
30	447-4060-534.46-20	Fleet Charges	145,300	0	145,300
31	447-4060-534.47-10	Printing & Binding	250	0	250
32	447-4060-534.48-10	Promotional Activities	3,050	0	3,050
33	447-4060-534.49-01	Cost Allocation	240,596	0	240,596
34	447-4060-534.49-10	Other Charges / Obligations	2,350	0	2,350
35	447-4060-534.49-20	Bank Charges	0	0	0
36	447-4060-534.49-47	Payment-in-Lieu of Franchise Fees (PILOFF) [2]	191,138	(191,138)	0
37	447-4060-534.52-10	Operating Supplies	22,000	0	22,000
38	447-4060-534.52-20	Fuel (Unleaded & Diesel)	87,836	0	87,836
39	447-4060-534.52-30	Uniforms	5,400	0	5,400
40	447-4060-534.54-10	Books, Publications, Subscriptions, & Memberships	0	0	0
41	447-4060-534.54-20	Educational Development	0	0	0
42		Total Operating Expenses	\$1,375,682	(\$271,138)	\$1,104,544
43		Total Refuse Department - 4060	\$2,681,827	(\$261,360)	\$2,420,467

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

Fiscal Year 2018 Adopted Budget

Line No.	Cost Center ID Code	Description	Budget 2018	Adjustments	Adjusted 2018
Recycling Department - 4065					
<u>Operating Expenses:</u>					
44	447-4065-534.34-10	Other Contractual Services	\$319,407	\$27,126	\$346,533
45	447-4065-534.47-10	Printing & Binding	0	0	0
46	447-4065-534.48-10	Promotional Activities	0	0	0
47	447-4065-534.49-01	Cost Allocation	6,705	0	6,705
48	447-4065-534.49-47	Payment-in-Lieu of Franchise Fees (PILOFF) [2]	8,192	(8,192)	0
49		Total Operating Expenses	<u>\$334,304</u>	<u>\$18,934</u>	<u>\$353,238</u>
50		Total Recycling Department - 4065	<u>\$334,304</u>	<u>\$18,934</u>	<u>\$353,238</u>
51		Total Environmental Services	<u>\$3,016,131</u>	<u>(\$242,426)</u>	<u>\$2,773,705</u>
Non-Departmental - 5555					
<u>Operating Expenses:</u>					
52	447-5555-580.22-10	Retirement Contributions	\$103,053	\$0	\$103,053
53	447-5555-580.23-80	PTO Expense	0	0	0
54	447-5555-580.31-10	Professional Services	7,089	0	7,089
55	447-5555-580.45-10	General Liability	5,074	0	5,074
56	447-5555-580.45-15	Property [3]	15,965	(15,965)	0
57	447-5555-580.45-20	Public Officials	4,112	0	4,112
58	447-5555-580.45-25	Automobile [3]	5,268	(5,268)	0
59	447-5555-580.49-50	Write Off	0	0	0
60	447-5555-580.49-60	Hurricane Charges	0	0	0
61	447-5555-580.59-10	Depreciation	0	0	0
62	447-5555-580.61-10	Land [3]	0	0	0
63	447-5555-580.64-10	Machinery & Equipment [3]	83,787	(83,787)	0
64	447-5555-580.64-20	Motor Vehicles [3]	170,100	(170,100)	0
65	447-5555-581.04-40	Water Sewer	0	0	0
66	447-5555-581.04-50	Public Works Complex - Series 2015 Bond [3]	0	0	0
67	447-5555-581.10-01	MIS [3]	0	0	0
68	447-5555-581.10-01	General Fund	0	0	0
69	447-5555-589.10-01	Current Year Unreserved	0	0	0
70	447-5555-589.50-50	Charter Reserve/Stabalization	125,641	(125,641)	0
71		Total Operating Expenses	<u>\$520,089</u>	<u>(\$400,761)</u>	<u>\$119,328</u>
72		Total Non-Departmental - 5555	<u>\$520,089</u>	<u>(\$400,761)</u>	<u>\$119,328</u>

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

Fiscal Year 2018 Adopted Budget

Line No.	Cost Center ID Code	Description	Budget 2018	Adjustments	Adjusted 2018
Miscellaneous Adjustments					
73	Contingency	Contingency - 2.00% of O&M [4]	\$0	\$57,861	\$57,861
74	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [5]	0	8,895	8,895
75		TOTAL OPERATING EXPENSES	<u>\$3,536,220</u>	<u>(\$576,431)</u>	<u>\$2,959,789</u>

Footnotes:

- [1] Budgeted amounts shown are based on the Fiscal Year 2018 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. This item will no longer be charged to the solid waste system beginning in Fiscal Year 2020.
- [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 2018	Escalation Reference	Fiscal Year Ending September 30,				
					2019	2020	2021	2022	2023
Solid Waste Utility Operating Expenses									
Environmental Services									
Refuse Department - 4060									
<u>Personnel Services:</u>									
1	447-4060-534.12-10	Regular Salaries and Wages	\$759,409	Labor	\$782,191	\$805,657	\$829,827	\$854,722	\$880,363
2		AddPer Additional Personnel	0	Input	45,578	46,945	48,354	49,804	51,298
3	447-4060-534.12-20	DC ICMA	0	Labor	0	0	0	0	0
4	447-4060-534.14-10	Overtime	0	Labor	0	0	0	0	0
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	3,318	3,398	3,483	3,570	3,659
7	447-4060-534.21-10	FICA	42,689	Labor	43,970	45,289	46,647	48,047	49,488
8	447-4060-534.21-20	Medicare	9,983	Health-Ins	9,284	10,213	11,234	12,357	13,593
9	447-4060-534.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
10	447-4060-534.22-20	DCSE	86,517	Labor	89,113	91,786	94,539	97,376	100,297
11	447-4060-534.23-10	Life Insurance	3,635	General-Ins	3,635	3,635	3,635	3,635	3,635
12	447-4060-534.23-20	Group Medical Insurance	322,613	Health-Ins	300,030	330,033	363,036	399,340	439,274
13	447-4060-534.2330	Dental Insurance	6,496	Health-Ins	6,041	6,645	7,310	8,041	8,845
14	447-4060-534.23-40	Long-Term Disability	6,511	Marginal	6,576	6,642	6,708	6,775	6,843
15	447-4060-534.23-90	Other Post Employment Benefits (OPEB)	9,778	Labor	10,072	10,374	10,685	11,005	11,336
16	447-4060-534.24-10	Worker's Compensation	65,042	Labor	66,993	69,003	71,073	73,205	75,402
17		Total Personnel Services	\$1,315,923		\$1,366,801	\$1,429,620	\$1,496,532	\$1,567,878	\$1,644,033
<u>Operating Expenses:</u>									
18	447-4060-534.31-10	Professional Services	\$20,000	Contractual	\$20,800	\$21,632	\$22,497	\$23,397	\$24,333
19	447-4060-534.34-10	Other Contractual Services	27,560	Contractual	28,662	29,809	31,001	32,241	33,531
20	447-4060-534.34-10	Volusia County Landfill	338,852	Growth+Infl	346,894	356,168	366,044	376,192	386,618
21	447-4060-534.34-10	Cloer & Sons / Green Waste Disposal	191,148	Growth+Infl	195,684	200,915	206,487	212,211	218,092
22	447-4060-534.40-10	Travel and Per Diem	297	Inflation	303	311	318	326	334
23	447-4060-534.41-10	Telephone	0	Inflation	0	0	0	0	0
24	447-4060-534.41-30	Legal Ads	0	Inflation	0	0	0	0	0
25	447-4060-534.41-40	Postage	10,000	Inflation	10,210	10,455	10,716	10,984	11,259
26	447-4060-534.43-10	Electric	1,800	Electricity	1,890	1,985	2,084	2,188	2,297
27	447-4060-534.43-30	Water / Sewer / Trash	5,201	Inflation	5,310	5,438	5,574	5,713	5,856
28	447-4060-534.44-10	Rent	104	Inflation	106	109	111	114	117
29	447-4060-534.46-10	Repair & Maintenance	2,800	Repair	2,884	2,971	3,060	3,151	3,246
30	447-4060-534.46-20	Fleet Charges	145,300	Repair	149,659	154,149	158,773	163,536	168,443
31	447-4060-534.47-10	Printing & Binding	250	Inflation	255	261	268	275	281
32	447-4060-534.48-10	Promotional Activities	3,050	Inflation	3,114	3,189	3,269	3,350	3,434
33	447-4060-534.49-01	Cost Allocation	240,596	Labor	247,814	255,248	262,906	270,793	278,917
34	447-4060-534.49-10	Other Charges / Obligations	2,350	Inflation	2,399	2,457	2,518	2,581	2,646
35	447-4060-534.49-20	Bank Charges	0	Inflation	0	0	0	0	0
36	447-4060-534.49-47	Payment-in-Lieu of Franchise Fees (PILOFF) [2]	0	Eliminate	0	0	0	0	0
37	447-4060-534.52-10	Operating Supplies	22,000	Inflation	22,462	23,001	23,576	24,166	24,770
38	447-4060-534.52-20	Fuel (Unleaded & Diesel)	87,836	Fuel	92,228	96,839	101,681	106,765	112,103
39	447-4060-534.52-30	Uniforms	5,400	Inflation	5,513	5,646	5,787	5,932	6,080
40	447-4060-534.54-10	Books, Publications, Subscriptions, & Memberships	0	Inflation	0	0	0	0	0
41	447-4060-534.54-20	Educational Development	0	Inflation	0	0	0	0	0
42		Total Operating Expenses	\$1,104,544		\$1,136,189	\$1,170,582	\$1,206,671	\$1,243,916	\$1,282,357
43		Total Refuse Department - 4060	\$2,420,467		\$2,502,990	\$2,600,201	\$2,703,202	\$2,811,794	\$2,926,390
Recycling Department - 4065									
<u>Operating Expenses:</u>									
44	447-4065-534.34-10	Other Contractual Services	\$346,533	Input	\$387,854	\$388,856	\$389,858	\$390,860	\$391,862
45	447-4065-534.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
46	447-4065-534.48-10	Promotional Activities	0	Inflation	0	0	0	0	0
47	447-4065-534.49-01	Cost Allocation	6,705	Labor	6,906	7,113	7,327	7,547	7,773
48	447-4065-534.49-47	Payment-in-Lieu of Franchise Fees (PILOFF) [2]	0	Eliminate	0	0	0	0	0
49		Total Operating Expenses	\$353,238		\$394,760	\$395,969	\$397,185	\$398,407	\$399,635
50		Total Recycling Department - 4065	\$353,238		\$394,760	\$395,969	\$397,185	\$398,407	\$399,635
51		Total Environmental Services	\$2,773,705		\$2,897,751	\$2,996,171	\$3,100,387	\$3,210,200	\$3,326,025
Non-Departmental - 5555									
<u>Operating Expenses:</u>									
52	447-5555-580.22-10	Retirement Contributions	\$103,053	Benefits	\$108,206	\$113,616	\$119,297	\$125,262	\$131,525
53	447-5555-580.23-80	PTO Expense	0	Labor	0	0	0	0	0
54	447-5555-580.31-10	Professional Services	7,089	Labor	7,302	7,521	7,746	7,979	8,218
55	447-5555-580.45-10	General Liability	5,074	General-Ins	5,074	5,074	5,074	5,074	5,074
56	447-5555-580.45-15	Property	0	Eliminate	0	0	0	0	0
57	447-5555-580.45-20	Public Officials	4,112	Labor	4,235	4,362	4,493	4,628	4,767
58	447-5555-580.45-25	Automobile	0	Eliminate	0	0	0	0	0

**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 2018	Escalation Reference	Fiscal Year Ending September 30,				
					2019	2020	2021	2022	2023
59	447-5555-580.49-50	Write Off	0	Eliminate	0	0	0	0	0
60	447-5555-580.49-50	Hurricane Charges	0	Eliminate	0	0	0	0	0
61	447-5555-580.59-10	Depreciation	0	Eliminate	0	0	0	0	0
62	447-5555-580.61-10	Land	0	Eliminate	0	0	0	0	0
63	447-5555-580.64-20	Motor Vehicles	0	Eliminate	0	0	0	0	0
64	447-5555-581.04-40	Water Sewer	0	Eliminate	0	0	0	0	0
65	447-5555-581.04-50	Public Works Complex	0	Eliminate	0	0	0	0	0
66	447-5555-581.05-01	MIS	0	Eliminate	0	0	0	0	0
67	447-5555-581.10-01	General Fund	0	Eliminate	0	0	0	0	0
68	447-5555-589.10-01	Current Year Unreserved	0	Eliminate	0	0	0	0	0
69	447-5555-589.50-50	Charter Reserve/Stabalization	0	Eliminate	0	0	0	0	0
70		Total Operating Expenses	\$119,328		\$124,817	\$130,573	\$136,610	\$142,942	\$149,584
71		Total Non-Departmental - 5555	\$119,328		\$124,817	\$130,573	\$136,610	\$142,942	\$149,584
		Miscellaneous Adjustments							
72	Contingency	Contingency - 2.00% of O&M [4]	\$57,861	Input	\$60,451	\$62,535	\$64,740	\$67,063	\$69,512
73	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [5]	8,895	Input	8,923	8,951	8,979	9,007	9,035
74	Assessment	Tax Collector Expense (Assessment Billing)	0	Input	0	0	0	0	0
75		TOTAL OPERATING EXPENSES	<u>\$2,959,789</u>		<u>\$3,091,942</u>	<u>\$3,198,230</u>	<u>\$3,310,716</u>	<u>\$3,429,212</u>	<u>\$3,554,156</u>

Footnotes:

- [1] Budgeted amounts shown are based on the Fiscal Year 2018 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. It will no longer be charged to the solid waste system beginning in Fiscal Year 2018.
- [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,				
			2019	2020	2021	2022	2023
1	General Inflation (CPI) [1][2]	Inflation	1.0210	1.0240	1.0250	1.0250	1.0250
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	0.9300	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	1.0000	1.0000	1.0000	1.0000	1.0000
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	1.0237	1.0267	1.0277	1.0277	1.0277
17	Workers' Compensation	WorkComp	1.0300	1.0300	1.0300	1.0300	1.0300
18	Recycling Rate	Recycling	1.0210	1.0240	1.0250	1.0250	1.0250
19	Recycling Rate + Growth	Rec-Growth	1.0237	1.0267	1.0277	1.0277	1.0277

Footnotes:

- [1] Estimated based on projections from "Budget and Economic Outlook: 2018 to 2028", published by the Congressional Budget Office in April 2018.
- [2] Based on discussions with City staff.

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

**Capital Improvement Program Funding Plan
Capital Improvement Plan**

Line No.	Description	Escalation Reference	Funding Source	Adjusted 2018	Fiscal Year Ending September 30,					6-Year Total
					2019	2020	2021	2022	2023	
<u>CIP Escalation Factor Alternatives</u>										
<u>General Project Escalators</u>										
1	Inflation (CPI)	Inflation		1.000	1.021	1.046	1.072	1.099	1.126	
2	No Assumed Escalation (0.0% per Year)	None		1.000	1.000	1.000	1.000	1.000	1.000	
3	Capital Outlay (3.5% per Year)	Outlay		1.000	1.035	1.070	1.110	1.150	1.190	
4	ENR Index Average (3.0% per Year)	ENR		1.000	1.030	1.060	1.090	1.120	1.150	
5	Marginal Increase (1.0% per Year)	Marginal		1.000	1.010	1.020	1.030	1.040	1.050	
6	High Increase (5.0% per Year)	High		1.000	1.050	1.100	1.160	1.220	1.280	
CAPITAL IMPROVEMENT PLAN										
7	Solid Waste Transfer Station	ENR	Senior2	\$0	\$0	\$0	\$0	\$0	\$3,002,720	\$3,002,720
8	Solid Waste Transfer Station (Split)	ENR	Operating	0	0	0	0	0	700,000	\$700,000
9	Vehicles	Inflation	Rates	170,100	408,400	0	0	0	0	\$578,500
10	Vehicles (Split Funding)	Inflation	Sub.1	0	0	302,225	0	0	0	302,225
11	Vehicles (Split Funding)	Inflation	Sub.2	0	0	0	619,300	0	0	619,300
12	Vehicles (Split Funding)	Inflation	Sub.3	0	0	0	0	589,600	0	589,600
13	Vehicles (Split Funding)	Inflation	Sub.4	0	0	0	0	0	604,450	604,450
14	Public Work Building (Allocation to Solid Waste)	None	Senior1	0	0	0	0	1,160,250	0	1,160,250
15	Public Work Building (Allocation to Solid Waste) (Split Funding)	None	Rates	0	0	0	204,750	0	0	204,750
16	Subtotal Capital Improvement Plan			\$170,100	\$408,400	\$302,225	\$824,050	\$1,749,850	\$4,307,170	\$7,761,795
17	Capital Outlay	Outlay	Rates	\$105,020	\$31,050	\$31,050	\$32,100	\$33,300	\$34,500	\$267,020
18	TOTAL CAPITAL IMPROVEMENT PLAN			\$275,120	\$439,450	\$333,275	\$856,150	\$1,783,150	\$4,341,670	\$8,028,815
FUNDING SOURCES										
19	Rate Revenue		Rates	\$275,120	\$439,450	\$31,050	\$236,850	\$33,300	\$34,500	\$1,050,270
20	Operating Fund - Fund 447		Operating	0	0	0	0	0	700,000	700,000
21	Public Works Complex / Transfer Station - Fund 450		Fund450	0	0	0	0	0	0	0
22	Renewal and Replacement Fund		R&R	0	0	0	0	0	0	0
23	Existing Debt Proceeds		ExistDebt	0	0	0	0	0	0	0
24	Additional Senior Lien Debt 1		Senior1	0	0	0	0	1,160,250	0	1,160,250
25	Additional Senior Lien Debt 2		Senior2	0	0	0	0	0	3,002,720	3,002,720
26	Additional Senior Lien Debt 3		Senior3	0	0	0	0	0	0	0
27	Additional Senior Lien Debt 4		Senior4	0	0	0	0	0	0	0
28	Additional Subordinate Lien Debt 1		Sub.1	0	0	302,225	0	0	0	302,225
29	Additional Subordinate Lien Debt 2		Sub.2	0	0	0	619,300	0	0	619,300
30	Additional Subordinate Lien Debt 3		Sub.3	0	0	0	0	589,600	0	589,600
31	Additional Subordinate Lien Debt 4		Sub.4	0	0	0	0	0	604,450	604,450
32	Other		Other	0	0	0	0	0	0	0
33	TOTAL FUNDING SOURCES			\$275,120	\$439,450	\$333,275	\$856,150	\$1,783,150	\$4,341,670	\$8,028,815

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,					
		2018	2019	2020	2021	2022	2023
Solid Waste System							
<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	\$0	\$0	\$0	\$110,805	\$110,805
4	Additional Senior Lien Debt 2	0	0	0	0	0	296,734
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	\$0	\$0	\$0	\$110,805	\$407,540
<u>Proposed Junior Lien Debt:</u>							
8	Additional Subordinate Lien Debt 1	\$0	\$0	\$53,574	\$53,574	\$53,574	\$53,574
9	Additional Subordinate Lien Debt 2	0	0	0	109,741	109,741	109,741
10	Additional Subordinate Lien Debt 3	0	0	0	0	104,556	104,556
11	Additional Subordinate Lien Debt 4	0	0	0	0	0	107,148
12	Total Proposed Junior Lien Debt Service Payments	\$0	\$0	\$53,574	\$163,315	\$267,871	\$375,019
13	Total Solid Waste Debt Service Payments	\$0	\$0	\$53,574	\$163,315	\$378,676	\$782,559

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

Projection of Interfund Transfers

Line No.	Description	Fiscal Year Ending September 30,					2023
		2018	2019	2020	2021	2022	
Payment in Lieu of Franchise Fees (PILOFF) [1]							
1	Current Year Collection Revenue	\$3,170,956	\$3,371,960	\$3,585,670	\$3,812,885	\$4,054,457	\$4,189,274
2	Current Year Recycling Revenue	386,852	411,125	436,919	464,327	493,452	509,558
3	Total Rate Revenue	<u>\$3,557,809</u>	<u>\$3,783,086</u>	<u>\$4,022,588</u>	<u>\$4,277,212</u>	<u>\$4,547,909</u>	<u>\$4,698,833</u>
4	Payment In Lieu of Franchise Fees Factor (% of Revenue)	5.90%	5.90%	5.90%	5.90%	5.90%	5.90%
5	Payment in Lieu of Franchise Fee Amount	\$209,910	\$223,202	\$237,333	\$252,356	\$268,327	\$277,231
6	Collection Allocation	91.06%	95.89%	95.89%	95.89%	95.89%	95.89%
7	Recycling Allocation	8.94%	4.11%	4.11%	4.11%	4.11%	4.11%
8	Solid Waste Payment in Lieu of Franchise Fees (PILOFF) Transfer	\$191,138	\$214,028	\$227,578	\$241,984	\$257,298	\$265,837
9	Recycling Payment in Lieu of Franchise Fees (PILOFF) Transfer	8,192	9,174	9,754	10,372	11,028	11,394
10	Annual Payment in Lieu of Franchise Fees (PILOFF) Transfers	<u>\$199,330</u>	<u>\$223,202</u>	<u>\$237,333</u>	<u>\$252,356</u>	<u>\$268,327</u>	<u>\$277,231</u>
Charter Reserve Transfer							
11	Total Charter Reserve Transfer	\$131,136	\$131,136	\$131,136	\$131,136	\$131,136	\$0
12	Total Interfund Transfers	<u>\$330,466</u>	<u>\$354,339</u>	<u>\$368,469</u>	<u>\$383,492</u>	<u>\$399,463</u>	<u>\$277,231</u>

Footnotes:

[1] Amounts reflect Fund Transfers budgeted in the Fiscal Year 2018 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	2018	2019	2020	2021	2022	2023
<u>Year End Cash Balances Roll-Up:</u>									
1	Solid Waste Operating Fund (447)	(U)	(U)	\$787,800	\$688,218	\$1,062,696	\$1,249,056	\$1,560,136	\$914,280
2	Charter Reserve Fund	(U)	(U)	131,136	262,470	393,934	525,530	657,258	657,915
3	Proposed Bonds Construction Fund	(R)	(R)	0	0	0	0	0	0
4	Total Ending Cash Balances			\$918,937	\$950,687	\$1,456,630	\$1,774,585	\$2,217,394	\$1,572,195
<u>Solid Waste Operating Fund (447)</u>									
5	Beginning Balance			\$787,255	\$787,800	\$688,218	\$1,062,696	\$1,249,056	\$1,560,136
6	Transfers In - Revenue Requirements			3,557,809	3,783,086	4,022,588	4,277,212	4,547,909	4,698,833
7	Transfers In - Debt Proceeds			0	0	0	0	0	0
8	Transfers In - Public Works and Transfer Stations			0	0	0	0	0	0
9	Transfers In - Operating Transfer			0	0	0	0	0	0
10	Transfers In - Debt Service Reserve			0	0	0	0	0	0
11	Transfers Out - Revenue Requirements			3,557,264	3,882,668	3,648,110	4,090,852	4,236,828	4,644,689
12	Transfers Out - Capital Improvements			0	0	0	0	0	700,000
13	Transfers Out - R&R Fund			0	0	0	0	0	0
14	Transfers Out - Public Works and Transfer Stations			0	0	0	0	0	0
15	Transfers Out - Operating Transfer			0	0	0	0	0	0
16	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
17	Interest Income		(U)	\$788	\$738	\$875	\$1,156	\$1,405	\$1,237
18	Recognition of Interest Income in Revenue Requirements			\$788	\$738	\$875	\$1,156	\$1,405	\$1,237
19	Ending Balance		(U)	\$787,800	\$688,218	\$1,062,696	\$1,249,056	\$1,560,136	\$914,280
20	Target Days of Available Cash: 30 Days of Rate Revenue			292,423	310,939	330,624	351,552	373,801	386,205
21	Calculated Days of Available Cash (Revenue)			81	66	96	107	125	71
<u>Charter Reserve Fund</u>									
22	Beginning Balance			\$0	\$131,136	\$262,470	\$393,934	\$525,530	\$657,258
23	Transfers In - Annual Operations			131,136	131,136	131,136	131,136	131,136	0
24	Transfers Out - CIP			0	0	0	0	0	0
25	Transfers Out			0	0	0	0	0	0
26	Interest Rate			0.00%	0.10%	0.10%	0.10%	0.10%	0.10%
27	Interest Income		(R)	\$0	\$197	\$328	\$460	\$591	\$657
28	Recognition of Interest Income in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
29	Ending Balance		(R)	\$131,136	\$262,470	\$393,934	\$525,530	\$657,258	\$657,915
<u>Proposed Bonds Construction Fund</u>									
30	Beginning Balance			\$0	\$0	\$0	\$0	\$0	\$0
31	Transfers In			0	0	0	0	1,160,250	3,002,720
32	Transfers Out - CIP			0	0	0	0	1,160,250	3,002,720
33	Interest Rate			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
34	Interest Income		(R)	\$0	\$0	\$0	\$0	\$0	\$0
35	Recognition of Interest Income in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
36	Ending Balance		(R)	\$0	\$0	\$0	\$0	\$0	\$0
<u>Debt Service Sinking Fund</u>									
37	Annual Debt Service Payment			\$0	\$0	\$53,574	\$163,315	\$378,676	\$782,559
38	Average Balance		(R)	0	0	13,394	40,829	94,669	195,640
39	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
40	Interest Income		(U)	\$0	\$0	\$13	\$41	\$95	\$196
41	Recognition of Interest Income in Revenue Requirements			\$0	\$0	\$13	\$41	\$95	\$196
<u>Interest Income:</u>									
42	Unrestricted Interest Income		(U)	\$788	\$738	\$889	\$1,197	\$1,499	\$1,433
43	Restricted Interest Income		(R)	0	197	328	460	591	657
44	Total Interest Income			\$788	\$935	\$1,217	\$1,656	\$2,090	\$2,090

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,					
		2018	2019	2020	2021	2022	2023
<u>Operating Expenses [1]</u>							
1	Total Operating Expenses	\$2,959,789	\$3,091,942	\$3,198,230	\$3,310,716	\$3,429,212	\$3,554,156
<u>Debt Service Payments: [2]</u>							
<u>Existing Debt</u>							
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
<u>Proposed Debt Service: [3]</u>							
4	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$110,805	\$110,805
5	Additional Senior Lien Debt 2	0	0	0	0	0	296,734
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	\$0	\$53,574	\$53,574	\$53,574	\$53,574
9	Additional Junior Lien Debt 2	0	0	0	109,741	109,741	109,741
10	Additional Junior Lien Debt 3	0	0	0	0	104,556	104,556
11	Additional Junior Lien Debt 4	0	0	0	0	0	107,148
12	Total Proposed Debt Service Payments	\$0	\$0	\$53,574	\$163,315	\$378,676	\$782,559
13	Total Debt Service Payments	\$0	\$0	\$53,574	\$163,315	\$378,676	\$782,559
<u>Other Revenue Requirements:</u>							
14	Transfer to Other Fund	\$0	\$0	\$0	\$0	\$0	\$0
15	Transfers to General Fund - PILOFF [4]	\$199,330	\$223,202	\$237,333	\$252,356	\$268,327	\$277,231
16	Transfer to Charter Reserve Fund [5]	131,136	131,136	131,136	131,136	131,136	0
17	Other Capital Funded from Rates [6]	275,120	439,450	31,050	236,850	33,300	34,500
18	Transfer to Operating Reserves	0	0	0	0	0	0
19	Total Other Revenue Requirements	\$605,586	\$793,789	\$399,519	\$620,342	\$432,763	\$311,731
20	Gross Revenue Requirements	\$3,565,375	\$3,885,730	\$3,651,323	\$4,094,373	\$4,240,652	\$4,648,446
<u>Less Income and Funds from Other Sources:</u>							
21	Other Operating Revenue	\$7,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
22	Extra Can Revenue	324	324	324	324	324	324
23	Interest Income [7]	788	738	889	1,197	1,499	1,433
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	\$8,112	\$3,062	\$3,213	\$3,521	\$3,823	\$3,757
27	Net Revenue Requirements	\$3,557,264	\$3,882,668	\$3,648,110	\$4,090,852	\$4,236,828	\$4,644,689
<u>Revenue from Solid Waste Rates:</u>							
28	Collection Revenue	\$3,170,956	\$3,181,095	\$3,191,233	\$3,201,372	\$3,211,510	\$3,221,648
29	Prior Year Rate Adjustments	0	0	191,474	395,690	613,450	845,608
30	Collection Revenue Before Current Year Adjustments	\$3,170,956	\$3,181,095	\$3,382,707	\$3,597,061	\$3,824,960	\$4,067,257
31	Recycling Revenue	\$386,852	\$387,854	\$388,856	\$389,858	\$390,860	\$391,862
32	Prior Year Rate Adjustments	0	0	23,331	48,186	74,661	102,855
33	Recycling Revenue Before Current Year Adjustments	\$386,852	\$387,854	\$412,188	\$438,045	\$465,521	\$494,717
34	Total Rate Revenue Before Current Year Adjustment	\$3,557,809	\$3,568,949	\$3,794,895	\$4,035,106	\$4,290,480	\$4,561,974
35	Revenue Surplus / (Deficiency)	545	(313,719)	146,784	(55,747)	53,652	(82,715)
36	Percent of Current Year Rate Revenue	0.02%	-8.79%	3.87%	-1.38%	1.25%	-1.81%

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,					
		2018	2019	2020	2021	2022	2023
<u>Current Year Rate Adjustments - Collection</u>							
37	Current Year Rate Adjustment	0.00%	6.00%	6.00%	6.00%	6.00%	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	\$190,866	\$202,962	\$215,824	\$229,498	\$122,018
<u>Current Year Rate Adjustments - Recycling</u>							
41	Current Year Rate Adjustment	0.00%	6.00%	6.00%	6.00%	6.00%	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	\$23,271	\$24,731	\$26,283	\$27,931	\$14,842
45	Collection Revenue After Rate Adjustments	\$3,170,956	\$3,371,960	\$3,585,670	\$3,812,885	\$4,054,457	\$4,189,274
46	Recycling Revenue After Rate Adjustments	386,852	411,125	436,919	464,327	493,452	509,558
47	Total Revenue After Rate Adjustments	\$3,557,809	\$3,783,086	\$4,022,588	\$4,277,212	\$4,547,909	\$4,698,833
48	Revenue Surplus/(Deficiency) [8]	\$545	(\$99,583)	\$374,478	\$186,360	\$311,081	\$54,144
49	Percent of Rate Revenues	0.02%	-2.65%	9.37%	4.38%	6.88%	1.16%

Footnotes:

- [1] Amounts derived from the City's Fiscal Year 2018 Budget and are escalated as shown on Table 2-4.
[2] Payment amounts shown were based on debt service schedules provided by City Staff.
[3] The proposed debt is based upon the funding of the capital improvement program. Initial payments shown may indicate a partial year's payment of debt service due to the timing of the instrument. The following indicated the estimated terms and conditions of the proposed debt.

Additional Senior Lien Debt 1	
Principal (Includes Project Costs and Costs of Issuance)	\$1,190,000
Issue Date	10/1/2021
Interest Rate	4.50%
Term (Years)	15
Annual Average Debt Service	\$110,805
Additional Senior Lien Debt 2	
Principal (Includes Project Costs and Costs of Issuance)	\$3,080,000
Issue Date	10/1/2022
Interest Rate	5.00%
Term (Years)	15
Annual Average Debt Service	\$296,734

- [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 and will not be charged after Fiscal Year 2017.
[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.
[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,					
		2018	2019	2020	2021	2022	2023
<u>Subordinate Lien Test</u>							
31	Net Revenues	\$606,131	\$694,206	\$827,571	\$970,016	\$1,011,715	\$740,894
32	Total Subordinate Lien Debt Service Payments	\$0	\$0	\$53,574	\$163,315	\$267,871	\$375,019
33	Calculated Ratio	0.00%	0.00%	1544.72%	593.96%	377.69%	197.56%
34	Minimum Required Coverage Ratio	115.00%	115.00%	115.00%	115.00%	115.00%	115.00%
<u>Less Other Required and Recognized Transfers:</u>							
35	Capital Funded from Rates	\$275,120	\$439,450	\$31,050	\$236,850	\$33,300	\$34,500
36	Charter Reserve Fund Transfer	131,136	131,136	131,136	131,136	131,136	0
37	Transfers to General Fund - PILOFF	[4] 199,330	223,202	237,333	252,356	268,327	277,231
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	\$605,586	\$793,789	\$399,519	\$620,342	\$432,763	\$311,731
41	Net Amount Available for Other Utility System Purposes	\$545	(\$99,583)	\$374,478	\$186,360	\$311,081	\$54,144

Footnotes begin on following page.

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

Projection of Debt Service Coverage Compliance

Footnotes:

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- [1] Projected revenue from rates reflects existing rates effective October 1, 2017.
 [2] Revenue from solid waster rate adjustments reflect the following projected rate increases effective October 1st of each year.

Fiscal Year	2018	2019	2020	2021	2022	2023
Rate Adjustment	0.00%	6.00%	6.00%	6.00%	6.00%	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. Amount will not be charged to the system after 2020.

**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	
City of Edgewater:						
1	Current Rates	\$29.43	2 x week	1 x week	1 x week	No
2	Proposed Rates	31.20	2 x week	1 x week	1 x week	No
<u>Other Solid Waste Systems:</u>						
3	City of Daytona Beach	\$22.54	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	14.50	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	19.67	2 x week	1 x week	1 x week	No
10	Town of Ponce Inlet	14.50	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	17.50	2 x week	1 x week	1 x week	Yes
16	Other Utilities' Average	<u>\$17.59</u>				

Footnotes:

- [1] Unless otherwise noted, amounts shown reflect rates in effect June 2018 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



CITY OF EDGEWATER, FLORIDA

WATER, WASTEWATER, SOLID WASTE, AND STORMWATER UTILITY RATE STUDY – FISCAL YEAR 2018 UPDATE

SECTION 3 – STORMWATER SYSTEM

CUSTOMER GROWTH AND REVENUES

Projected revenues from rates for the stormwater system were based on the schedule of stormwater rates and charges reflected in Resolution No. 2017-R-24, which contains adopted rates for Fiscal Years 2018 through 2022. In order to calculate projected revenues from rates for the Forecast Period, the existing rates were applied to the projected billing statistics. Based on revised growth projections and discussions with City staff, this analysis recognizes 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 \$1.6 million to \$1.7 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 \$85,000 per year and interest earnings on unrestricted fund balances are estimated to average approximately \$1,300 per year.

OPERATING AND MAINTENANCE EXPENSES

The Fiscal Year 2018 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 2018 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 2018 operating budget of \$1.7 million being adjusted down to approximately \$1.1 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 \$59,000 and \$4,000 annually, respectively. Operation and maintenance expenses are projected to increase by an annual average of approximately 3.99% per year from Fiscal Year 2018 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 for Fiscal Years 2019 through 2023
3. Consumer Price Index (CPI) – Average of 2.4% 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 2018 – 2023 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 costs included in the CIP were significantly higher than those included in the prior study's forecast. The prior forecast assumed funding \$4.4 million in capital projects over 6 years, while the current plan is projected to fund \$6.7 million capital projects. This increase of approximately \$2.3 million in funding requirements is the main cause for the increase in the recommended rate adjustments for the Forecast Period. 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 \$179,000 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 \$44,000 per year. Capital lease payments are projected to begin in Fiscal Year 2021 and will be approximately \$85,000 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 Payment in-lieu-of Franchise Fee (PILOFF). This amount is funded each year of the Forecast Period and averages approximately \$126,000 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 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 to fully fund the required Charter Reserve amount in Fiscal Year 2018. The City will take approximately \$260,000 from the operating fund and transfer it to the newly created Charter Reserve Fund, thereby satisfying the City's policy (shown on Table 3-9). Additionally, the City targets an Operating Fund cash balance between 30 to 60 days of rate revenue for the stormwater system. By the end of the Forecast Period the City is projected to have \$0.5 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 by Resolution No. 2017-R-24 will not be sufficient and additional rate adjustments are recommended to meet the needs of the system, 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

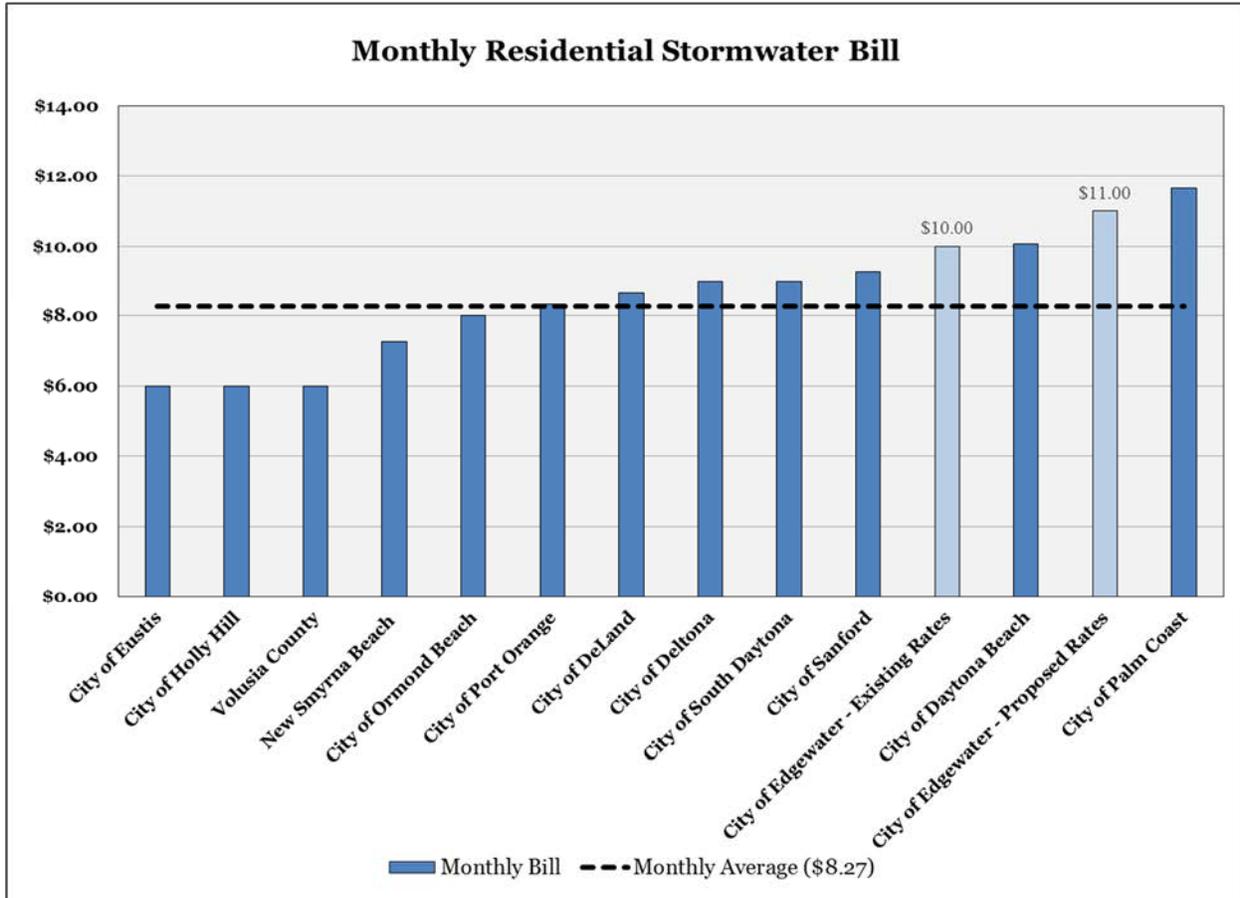
Description	Fiscal Year Ending September 30,					
	2018	2019	2020	2021	2022	2023
Adopted/Previously Recommended Rate Adjustments (Resolution No. 2017-R-24):	11.1%	0.0%	0.0%	2.4%	2.4%	N/A
Proposed Stormwater Rate Adjustments	N/A [1]	10.0%	13.64%	8.00%	7.41%	6.90%
System Revenue Surplus / (Deficiency)	\$56,530	\$90,309	\$60,104	\$7,185	\$223,927	(\$13,443)
Operating Fund (Ending Balance)	\$1,093,034	\$1,183,343	\$1,243,446	\$1,045,881	\$569,809	\$556,366
Days of Cash (Target of 30-60 Days of Rate Revenue)	242	237	218	169	85	78
Charter Reserve Fund (Ending Balance)	\$259,797	\$260,057	\$260,317	\$260,577	\$260,837	\$261,098
Senior Lien Debt Service Coverage (Test 1.00)	N/A	N/A	N/A	N/A	27.25	30.10
Subordinate Lien Debt Service Coverage (Test 1.15)	11.21	12.84	16.38	7.54	8.57	9.53
All-In Debt Service Coverage (Target 1.50)	11.21	12.84	16.38	7.54	6.74	7.45

[1] Rates were adjusted at the beginning of Fiscal Year 2018 by 11.1%.

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RATE COMPARISON

As shown below and on Table 3-13, bills under the proposed Fiscal Year 2019 stormwater rates are above average when compared to the surveyed, neighboring utilities' average.



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

Summary of Historical and Projected Stormwater Accounts

Line No	Description	Historical [1]				Fiscal Year Ending September 30					
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<u>Residential Class</u>											
1	Account Growth	N/A	0	64	(6)	25	25	25	25	25	25
2	Average Monthly Accounts	9,426	9,426	9,490	9,484	9,509	9,534	9,559	9,584	9,609	9,634
3	Average Equivalent Dwelling Units	9,426	9,426	9,490	9,484	9,509	9,534	9,559	9,584	9,609	9,634
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
<u>Commercial and Non-Residential</u>											
<u>Residential Multi-Family</u>											
5	Account Growth	N/A	0	0	0	0	0	0	0	0	0
6	Average Monthly Accounts	50	50	50	50	50	50	50	50	50	50
7	Average Equivalent Dwelling Units	627	627	627	633	633	633	633	633	633	633
8	Equivalent Dwelling Units (EDUs) Per Account	12.54	12.54	12.54	12.66	12.66	12.66	12.66	12.66	12.66	12.66
<u>Commercial</u>											
9	Account Growth	N/A	0	2	25	3	5	5	5	5	5
10	Average Monthly Accounts	434	434	436	461	464	469	474	479	484	489
11	Average Equivalent Dwelling Units	6,507	6,507	6,568	6,609	6,652	6,724	6,795	6,867	6,939	7,010
12	Equivalent Dwelling Units (EDUs) Per Account	14.99	14.99	15.07	14.34	14.34	14.34	14.34	14.34	14.34	14.34
13	Total Multi Family and Commercial EDUs	7,134	7,134	7,195	7,242	7,285	7,357	7,428	7,500	7,572	7,643
<u>Summary:</u>											
14	Account Growth	N/A	0	65	20	28	30	30	30	30	30
15	Total Accounts	9,910	9,910	9,975	9,995	10,023	10,053	10,083	10,113	10,143	10,173
16	Total Equivalent Dwelling Units	16,560	16,560	16,685	16,726	16,794	16,891	16,987	17,084	17,181	17,277
17	Equivalent Dwelling Units (EDUs) Per Account	1.67	1.67	1.67	1.67	1.68	1.68	1.68	1.69	1.69	1.70

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 2017			Fiscal Year Ending September 30																	
		Rate	Total Annual Determinants	Calculated Revenue	2018			2019			2020			2021			2022			2023		
					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	\$4.90	113,808	\$557,659	\$5.44	114,108	\$620,748	\$5.44	114,408	\$622,380	\$5.44	114,708	\$624,012	\$5.44	115,008	\$625,644	\$5.44	115,308	\$627,276	\$5.44	115,608	\$628,908
2	Total Base Fee Revenue			\$557,659			\$620,748			\$622,380			\$624,012			\$625,644			\$627,276			\$628,908
3	Assessment Fee	\$4.10	113,808	\$466,613	\$4.56	114,108	\$520,332	\$4.56	114,408	\$521,700	\$4.56	114,708	\$523,068	\$4.56	115,008	\$524,436	\$4.56	115,308	\$525,804	\$4.56	115,608	\$527,172
4	Total Assessment Fee Revenue			\$466,613			\$520,332			\$521,700			\$523,068			\$524,436			\$525,804			\$527,172
5	Total Residential Revenue			\$1,024,272			\$1,141,080			\$1,144,080			\$1,147,080			\$1,150,080			\$1,153,080			\$1,156,080
<u>Residential Multi-Family Stormwater Service</u>																						
6	Base Fee	\$4.90	7,596	\$37,220	\$5.44	7,596	\$41,322	\$5.44	7,596	\$41,322	\$5.44	7,596	\$41,322	\$5.44	7,596	\$41,322	\$5.44	7,596	\$41,322	\$5.44	7,596	\$41,322
7	Total Base Fee Revenue			\$37,220			\$41,322			\$41,322			\$41,322			\$41,322			\$41,322			\$41,322
8	Assessment Fee	\$4.10	7,596	\$31,144	\$4.56	7,596	\$34,638	\$4.56	7,596	\$34,638	\$4.56	7,596	\$34,638	\$4.56	7,596	\$34,638	\$4.56	7,596	\$34,638	\$4.56	7,596	\$34,638
9	Total Assessment Fee Revenue			\$31,144			\$34,638			\$34,638			\$34,638			\$34,638			\$34,638			\$34,638
10	Total Residential Multi Family Revenue			\$68,364			\$75,960			\$75,960			\$75,960			\$75,960			\$75,960			\$75,960
<u>Commercial Stormwater Service</u>																						
11	Base Fee	\$4.90	79,308	\$388,609	\$5.44	79,824	\$434,243	\$5.44	80,684	\$438,922	\$5.44	81,544	\$443,602	\$5.44	82,405	\$448,281	\$5.44	83,265	\$452,961	\$5.44	84,125	\$457,640
12	Total Base Fee Revenue			\$388,609			\$434,243			\$438,922			\$443,602			\$448,281			\$452,961			\$457,640
<u>Non-Residential Stormwater Service</u>																						
13	Base Fee	\$4.90	0	\$0	\$5.44	0	\$0	\$5.44	0	\$0	\$5.44	0	\$0	\$5.44	0	\$0	\$5.44	0	\$0	\$5.44	0	\$0
14	Total Base Fee Revenue			\$0			\$0			\$0			\$0			\$0			\$0			\$0
15	Total Commercial / Non-Residential Service			\$388,609			\$434,243			\$438,922			\$443,602			\$448,281			\$452,961			\$457,640
16	Subtotal Stormwater Rate Revenue			\$1,481,245			\$1,651,283			\$1,658,962			\$1,666,642			\$1,674,321			\$1,682,001			\$1,689,680
17	Revenue Adjustments = 0.00%			\$0			\$0			\$0			\$0			\$0			\$0			\$0
18	Pre-Payment Adjustment	0.00%		\$0			\$0			\$0			\$0			\$0			\$0			\$0
19	Total Stormwater Rate Revenue			\$1,481,245			\$1,651,283			\$1,658,962			\$1,666,642			\$1,674,321			\$1,682,001			\$1,689,680
20	Stormwater Base Fee			\$983,489			\$1,096,313			\$1,102,624			\$1,108,936			\$1,115,247			\$1,121,558			\$1,127,870
21	Stormwater Assessment Fee			497,756			554,970			556,338			557,706			559,074			560,442			561,810
22	Total			\$1,481,245			\$1,651,283			\$1,658,962			\$1,666,642			\$1,674,321			\$1,682,001			\$1,689,680

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 2019	Fiscal Year Ending September 30th,			
			FY 2018		2018			2020	2021	2022	2023
Stormwater System											
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	1,554,152	(1,554,152)	0	Eliminate	0	0	0	0	0
4	448-0000-361.10-10	Interest	500	(500)	0	Eliminate	0	0	0	0	0
5	448-0000-365.10-00	Sales / Surplus	3,000	(3,000)	0	Eliminate	0	0	0	0	0
6	448-0000-369.90-10	Miscellaneous Revenue	1,980	64,555	66,535	Constant	72,583	72,583	72,583	72,583	72,583
7	448-0000-369.90-20	Retirement Forfeitures	0	0	0	Constant	0	0	0	0	0
8	448-0000-381.04-49	Stormwater Capital	0	0	0	Eliminate	0	0	0	0	0
9	448-0000-369.10-01	General Fund	0	0	0	Eliminate	0	0	0	0	0
10	448-0000-384.06-01	Capital Improvement Note 2017	0	0	0	Eliminate	0	0	0	0	0
11	448-0000-389.04-1	Proceeds from L/T Debt	0	0	0	Eliminate	0	0	0	0	0
12	448-0000-389.90-12	Unreserved Proprietary	150,000	(150,000)	0	Eliminate	0	0	0	0	0
13		Total Other Operating Revenue	<u>\$1,722,632</u>	<u>(\$1,643,097)</u>	<u>\$79,535</u>		<u>\$85,583</u>	<u>\$85,583</u>	<u>\$85,583</u>	<u>\$85,583</u>	<u>\$85,583</u>

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

Fiscal Year 2018 Operating Budget [1]

Line No.	Cost ID Code	Description	Budget 2018	Adjustments	Adjusted 2018
Operations					
Environmental Services					
1	448-4070-538.12-10	Regular Salaries and Wages	\$405,611	\$0	\$405,611
2	AddPer	Additional Personnel	0	0	0
3	448-4070-538.14-10	Overtime	0	0	0
4	448-4070-538.15-30	Cell Phone	1,044	0	1,044
5	448-4070-538.15-60	Boot Allowance	1,500	0	1,500
6	448-4070-538.21-10	FICA Taxes	23,429	0	23,429
7	448-4070-538.21-20	Medicare	5,479	0	5,479
8	448-4070-538.22-10	Retirement Contributions	18,271	0	18,271
9	448-4070-538.22-20	DCSE	40,897	0	40,897
10	448-4070-538.23-10	Life Insurance	1,949	0	1,949
11	448-4070-538.23-20	Group Medical Insurance	125,195	0	125,195
12	448-4070-538.23-30	Dental Insurance	2,768	0	2,768
13	448-4070-538.23-40	Long Term Disability	3,461	0	3,461
14	448-4070-538.23-90	OPEB	0	5,473	5,473
15	448-4070-538.24-10	Worker's Compensation	18,134	0	18,134
16	448-4070-538.34-10	Other Contractual Services	18,590	0	18,590
17	448-4070-538.40-10	Travel & Per Diem	605	0	605
18	448-4070-538.41-10	Legal Ads	0	0	0
19	448-4070-538.41-40	Postage	10,000	0	10,000
20	448-4070-538.43-10	Electric	2,000	0	2,000
21	448-4070-538.44-10	Rent	1,110	0	1,110
22	448-4070-538.46-10	Repair and Maintenance	42,000	0	42,000
23	448-4070-538.46-20	Fleet Charges	105,901	0	105,901
24	448-4070-538.47-10	Printing and Binding	100	0	100
25	448-4070-538.48-10	Promotional Activities	13,125	0	13,125
26	448-4070-538.49-01	Cost Allocation	98,954	0	98,954
27	448-4070-538.49-10	Other Charges/Obligations	11,300	0	11,300
28	448-4070-538.49-20	Bank Charges	0	0	0
29	448-4070-538.49-48	PILOFF - Stormwater [2]	91,695	(91,695)	0
30	448-4070-538.51-10	Office Supplies	500	0	500
31	448-4070-538.52-10	Operating Supplies	10,250	0	10,250
32	448-4070-538.52-20	Unleaded & Diesel	26,351	0	26,351
33	448-4070-538.52-30	Uniforms	2,150	0	2,150
34	448-4070-538.54-10	Books, Pubs, Subs, and Mem	0	0	0
35	448-4070-538.54-20	Educational Development	1,425	0	1,425
36		Total Environmental Services	\$1,083,794	(\$86,222)	\$997,572
Non-Departmental Services					
37	448-5555-580.22-10	Retirement Contributions	\$24,522	\$0	\$24,522
38	448-5555-580.23-80	PTO Expense	0	0	0
39	448-5555-580.31-10	Professional Services	3,253	0	3,253
40	448-5555-580.45-10	General Liability	2,383	0	2,383
41	448-5555-580.45-15	Property [3]	7,496	(7,496)	0
42	448-5555-580.45-20	Public Officials	1,931	0	1,931
43	448-5555-580.45-25	Automobile [3]	2,473	(2,473)	0
44	448-5555-580.72-40	Veh Lse 2016 Amer Cap Svc [3]	770	(770)	0
45	448-5555-580.49-50	Write Off	0	0	0
46	448-5555-580.49-60	Hurricane Expense	0	0	0
47	448-5555-580.59-10	Depreciation	0	0	0
48	448-5555-580.61-10	Land [3]	0	0	0
49	448-5555-580.64-10	Machinery and Equipment [3]	105,000	(105,000)	0

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

Fiscal Year 2018 Operating Budget [1]

Line No.	Cost ID Code	Description	Budget 2018	Adjustments	Adjusted 2018
50	448-5555-580.64-20	Motor Vehicles [3]	62,000	(62,000)	0
51	448-5555-580.71-28	BBT Cap Imp Rev Note 2014 [3]	41,969	(41,969)	0
52	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]	7,263	(7,263)	0
54	448-5555-580.72-28	BBT Cap Imp Rev Note 2014 [3]	7,178	(7,178)	0
55	448-5555-580.72-36	Menzi Lease 2015 [3]	0	0	0
56	448-5555-580.73-42	BBT Cap Imp Rev Note SRS 2014 [3]	0	0	0
57		Total Non-Departmental Services	\$266,238	(\$234,149)	\$32,089
		Other Adjustments			
58	448-5555-581.04-44	Renewal & Replacement [3]	\$0	\$0	\$0
59	448-5555-581.04-49	Stormwater Capital [3]	0	0	0
60	448-5555-581.05-01	Public Works Complex - Debt Service Payment [3]	0	0	0
61	448-5555-581.04-50	MIS	4,400	0	4,400
62	448-5555-581.10-01	General Fund	0	0	0
63	448-5555-589.10-01	Current Year Unreserved [3]	287,742	(287,742)	0
64	448-5555-589.50-50	Charter Reserve/Stabalization	80,458	(80,458)	0
64	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [4]	0	4,128	4,128
65	Contingency	Operating Contingency - 5.00% of O&M [5]	0	51,703	51,703
66	Tax	Tax Collection Charge	0	0	0
67		Total Other Adjustments	\$372,600	(\$312,369)	\$60,231
68		Total Stormwater Expenses	\$1,722,632	(\$632,740)	\$1,089,892

Footnotes:

- [1] Budgeted amounts are based on Fiscal Year 2018 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. This item will not be charged to the stormwater system beginning in Fiscal Year 2020.
- [3] Amounts are adjusted from budget as shown herein since such capital outlay expenses and debt service payments are reflected in the Capital Improvements Plan or the Revenue Requirements part of the rate model.
- [4] An allowance for bad debt expense of 0.25% of rate was recognized to account for uncollectible revenues.
- [5] A contingency of 5.00% of O&M was added to allow for unforeseen contingencies.

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

Projected Stormwater System Operating Expenses [1]

Line No.	Cost ID Code	Description	Adjusted		Fiscal Year Ending September 30,				
			2018	Escalation	2019	2020	2021	2022	2023
Operations									
Environmental Services									
Personnel Expenses									
1	448-4070-538.12-10	Regular Salaries and Wages	\$405,611	Labor	\$417,779	\$430,313	\$443,222	\$456,519	\$470,214
2		AddPer Additional Personnel	0	Input	40,982	42,211	43,478	44,782	46,126
3	448-4070-538.14-10	Overtime	0	Labor	0	0	0	0	0
4	448-4070-538.15-30	Cell Phone	1,044	Inflation	1,066	1,092	1,119	1,147	1,175
5	448-4070-538.15-60	Boot Allowance	1,500	Inflation	1,532	1,568	1,607	1,648	1,689
6	448-4070-538.21-10	FICA Taxes	23,429	Labor	24,132	24,856	25,602	26,370	27,161
7	448-4070-538.21-20	Medicare	5,479	Labor	5,643	5,813	5,987	6,167	6,352
8	448-4070-538.22-10	Retirement Contributions	18,271	Labor	18,819	19,384	19,965	20,564	21,181
9	448-4070-538.22-20	DCSE	40,897	Labor	42,124	43,388	44,689	46,030	47,411
10	448-4070-538.23-10	Life Insurance	1,949	General-Ins	1,949	1,949	1,949	1,949	1,949
11	448-4070-538.23-20	Group Medical Insurance	125,195	Ins-Health	137,715	151,486	166,635	183,298	201,628
12	448-4070-538.23-30	Dental Insurance	2,768	Ins-Health	3,045	3,349	3,684	4,053	4,458
13	448-4070-538.23-40	Long Term Disability	3,461	Labor	3,565	3,672	3,782	3,895	4,012
14	448-4070-538.23-90	OPEB	5,473	Labor	5,637	5,806	5,980	6,160	6,345
15	448-4070-538.24-10	Worker's Compensation	18,134	Labor	18,678	19,238	19,816	20,410	21,022
16	448-4070-538.34-10	Other Contractual Services	18,590	Contractual	19,334	20,107	20,911	21,748	22,618
17	448-4070-538.40-10	Travel & Per Diem	605	Inflation	618	633	648	665	681
18	448-4070-538.41-10	Legal Ads	0	Inflation	0	0	0	0	0
19	448-4070-538.41-40	Postage	10,000	Inflation	10,210	10,455	10,716	10,984	11,259
20	448-4070-538.43-10	Electric	2,000	Electricity	2,100	2,205	2,315	2,431	2,553
21	448-4070-538.44-10	Rent	1,110	Inflation	1,133	1,161	1,190	1,219	1,250
22	448-4070-538.46-10	Repair and Maintenance	42,000	Repair	43,260	44,558	45,895	47,271	48,690
23	448-4070-538.46-20	Fleet Charges	105,901	Repair	109,078	112,350	115,721	119,193	122,768
24	448-4070-538.47-10	Printing and Binding	100	Inflation	102	105	107	110	113
25	448-4070-538.48-10	Promotional Activities	13,125	Inflation	13,401	13,722	14,065	14,417	14,777
26	448-4070-538.49-01	Cost Allocation	98,954	Labor	101,923	104,980	108,130	111,374	114,715
27	448-4070-538.49-10	Other Charges/Obligations	11,300	Inflation	11,537	11,814	12,110	12,412	12,723
28	448-4070-538.49-20	Bank Charges	0	Inflation	0	0	0	0	0
29	448-4070-538.49-48	PILOFF - Stormwater [2]	0	Eliminate	0	0	0	0	0
30	448-4070-538.51-10	Office Supplies	500	Inflation	511	523	536	549	563
31	448-4070-538.52-10	Operating Supplies	10,250	Inflation	10,465	10,716	10,984	11,259	11,540
32	448-4070-538.52-20	Unleaded & Diesel	26,351	Fuel	27,669	29,052	30,505	32,030	33,631
33	448-4070-538.52-30	Uniforms	2,150	Inflation	2,195	2,248	2,304	2,362	2,421
34	448-4070-538.54-10	Books, Pubs, Subs, and Mem	0	Inflation	0	0	0	0	0
35	448-4070-538.54-20	Educational Development	1,425	Inflation	1,455	1,490	1,527	1,565	1,604
36		Total Environmental Services	\$997,572		\$1,077,655	\$1,120,243	\$1,165,179	\$1,212,579	\$1,262,627
Non-Departmental Services									
37	448-5555-580.22-10	Retirement Contributions	\$24,522	Labor	\$25,258	\$26,015	\$26,796	\$27,600	\$28,428
38	448-5555-580.23-80	PTO Expense	0	Labor	0	0	0	0	0
39	448-5555-580.31-10	Professional Services	3,253	Contractual	3,383	3,518	3,659	3,806	3,958
40	448-5555-580.45-10	General Liability	2,383	General-Ins	2,383	2,383	2,383	2,383	2,383
41	448-5555-580.45-15	Property [3]	0	Eliminate	0	0	0	0	0
42	448-5555-580.45-20	Public Officials	1,931	Inflation	1,972	2,019	2,069	2,121	2,174
43	448-5555-580.45-25	Automobile [3]	0	Eliminate	0	0	0	0	0
44	448-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
44	448-5555-580.49-50	Write Off	0	Inflation	0	0	0	0	0
45	448-5555-580.49-60	Hurricane Expense	0	Eliminate	0	0	0	0	0
46	448-5555-580.59-10	Depreciation	0	Eliminate	0	0	0	0	0
47	448-5555-580.61-10	Land [3]	0	Eliminate	0	0	0	0	0
48	448-5555-580.64-10	Machinery and Equipment [3]	0	Eliminate	0	0	0	0	0
49	448-5555-580.64-20	Motor Vehicles [3]	0	Eliminate	0	0	0	0	0
50	448-5555-580.71-28	BBT Cap Imp Rev Note 2014 [3]	0	Eliminate	0	0	0	0	0
51	448-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
52	448-5555-580.72-28	BBT Cap Imp Rev Note 2014 [3]	0	Eliminate	0	0	0	0	0
53	448-5555-580.73-42	BBT Cap Imp Rev Note SRS 2014 [3]	0	Eliminate	0	0	0	0	0
54		Total Non-Departmental Services	\$32,089		\$32,995	\$33,936	\$34,907	\$35,909	\$36,943
Other Adjustments									
55	448-5555-581.04-44	Renewal & Replacement [3]	\$0	Eliminate	\$0	\$0	\$0	\$0	\$0
56	448-5555-581.04-49	Stormwater Capital [3]	0	Eliminate	0	0	0	0	0
57	448-5555-581.05-01	Public Works Complex - Debt Service Payment [3]	0	Eliminate	0	0	0	0	0
58	448-5555-581.04-50	MIS	4,400	Inflation	4,492	4,600	4,715	4,833	4,954
59	448-5555-581.10-01	General Fund	0	Eliminate	0	0	0	0	0
60	448-5555-589.10-01	Current Year Unreserved [3]	0	Eliminate	0	0	0	0	0
	448-5555-589.50-50	Charter Reserve/Stabilization	0	Eliminate	0	0	0	0	0
61	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [4]	4,128	Input	4,147	4,167	4,186	4,205	4,224
62	Contingency	Operating Contingency - 5.00% of O&M [5]	51,703	Input	55,757	57,939	60,240	62,666	65,226
63	Tax	Tax Collection Charge	0	Input	0	0	0	0	0
64		Total Other Adjustments	\$60,231		\$64,397	\$66,706	\$69,141	\$71,704	\$74,404
65		Total Stormwater Expenses	\$1,089,892		\$1,175,047	\$1,220,884	\$1,269,227	\$1,320,192	\$1,373,974

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. It will no longer be charged to the stormwater system beginning in Fiscal Year 2020.
- [3] Amounts are adjusted from budget as shown herein since such capital outlay expenses and debt service payments are reflected in the Capital Improvements Plan or the Revenue Requirements part of the rate model.
- [4] A allowance for bad debt expense of 0.25% of rate was recognized to account for uncollectible revenues.
- [5] A contingency of 5.00% of O&M was added to allow for unforeseen contingencies.

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

Summary of Projected Escalation Factors

Line No.	Description	Escalation	Fiscal Year Ending September 30,				
			2019	2020	2021	2022	2023
1	General Inflation (CPI) [1][2]	Inflation	1.0210	1.0240	1.0250	1.0250	1.0250
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	1.0000	1.0000	1.0000	1.0000	1.0000
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 2018 - 2028" published by the Congressional Budget Office in April 2018.

[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	
				2018	2019	2020	2021	2022		2023
CIP Escalation Factor Alternatives										
1	No Assumed Escalation (0.0% per Year)	None		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	
2	Capital Outlay (3.5% per Year)	Outlay		1.0000	1.0350	1.0700	1.1100	1.1500	1.1900	
3	ENR Index Average (3.0% per Year)	ENR		1.0000	1.0300	1.0600	1.0900	1.1200	1.1500	
4	Marginal Increase (1.0% per Year)	Marginal		1.0000	1.0100	1.0200	1.0300	1.0400	1.0500	
5	High Increase (5.0% per Year)	High		1.0000	1.0500	1.1000	1.1600	1.2200	1.2800	
Stormwater System Capital Expenditures:										
6	Baffle Box on 18th Canal	ENR	Rates	\$0	\$0	\$0	\$0	\$0	\$421,667	\$421,667
7	Baffle Box on 18th Canal II	ENR	G	0	0	0	0	0	210,833	210,833
8	East Pine Bluff Storm Improvements	ENR	Rates	0	0	0	172,506	0	0	172,506
9	East Pine Bluff Storm Improvements	ENR	G	0	0	0	84,966	0	0	84,966
10	Hart Avenue Stormwater Improvements	ENR	Rates	0	45,817	318,000	0	0	0	363,817
11	Hart Avenue Stormwater Improvements	ENR	G	0	0	159,000	0	0	0	159,000
12	Hotel Dr Stormwater Improvements	ENR	Rates	0	0	0	0	0	239,098	239,098
13	Hotel Dr Stormwater Improvements II	ENR	G	0	0	0	0	0	117,765	117,765
14	New Hampshire/Fernald Stormwater Improvements	ENR	Rates	0	0	71,020	0	0	0	71,020
15	New Hampshire/Fernald Stormwater Improvements II	ENR	G	0	0	34,980	0	0	0	34,980
16	New York Street Storm Improvements	ENR	Rates	0	0	0	0	123,746	0	123,746
17	New York Street Storm Improvements II	ENR	G	0	0	0	0	60,950	0	60,950
18	Plaza & Hubbell Storm Improrvment	ENR	Rates	0	0	0	0	194,372	0	194,372
19	Plaza & Hubbell Storm Improrvment II	ENR	G	0	0	0	0	95,736	0	95,736
20	Stormwater Canal Rehabilitation: FL Shores (Phase 1)	ENR	Rates	0	154,500	159,000	163,500	168,000	172,500	817,500
21	Turgot/Fernald Stormwater Improvements	ENR	Rates	0	0	0	292,120	0	0	292,120
22	Turgot/Fernald Stormwater Improvements II	ENR	G	0	0	0	143,880	0	0	143,880
23	Acquisition of 125 Cheeta Drive	ENR	Rates	0	70,000	0	0	0	0	70,000
24	Acquisition of 125 Cheeta Drive II	ENR	G	0	187,500	0	0	0	0	187,500
25	Public Works Building	None	ND1	0	0	0	0	460,250	0	460,250
26	Public Works Building (Split)	None	Op Res	0	0	0	204,750	700,000	0	904,750
27	Capital Outlay	Outlay	Rates	\$9,969	\$211,140	\$160,500	\$166,500	\$172,500	\$178,500	\$899,109
28	Menzi Tractor	Outlay	JD1	0	0	0	388,500	0	0	388,500
29	F-550 Dump Truck	Outlay	Rates	62,000	0	0	0	0	0	62,000
30	Backhoe 4x4	Outlay	Rates	105,000	0	0	0	0	0	105,000
31	Total Stormwater System Capital Expenditures			\$176,969	\$668,957	\$902,500	\$1,616,723	\$1,975,554	\$1,340,363	\$6,681,065
Funding Source Summary										
32	Operating Reserves		Op Res	\$0	\$0	\$0	\$204,750	\$700,000	\$0	\$904,750
33	Stormwater Rate Revenue		Rates	176,969	481,457	708,520	794,626	658,619	1,011,765	3,831,955
34	Renewal and Replacement		RR	0	0	0	0	0	0	0
35	Grant Funding		G	0	187,500	193,980	228,846	156,685	328,598	1,095,610
36	Existing Debt Proceeds		ExistingDebt	0	0	0	0	0	0	0
37	New Senior Lien Debt 1		ND1	0	0	0	0	460,250	0	460,250
38	New Senior Lien Debt 2		ND2	0	0	0	0	0	0	0
39	New Senior Lien Debt 3		ND3	0	0	0	0	0	0	0
40	New Senior Lien Debt 4		ND4	0	0	0	0	0	0	0
41	New Subordinate Lien Debt 1		JD1	0	0	0	388,500	0	0	388,500
42	New Subordinate Lien Debt 2		JD2	0	0	0	0	0	0	0
43	New Subordinate Lien Debt 3		JD3	0	0	0	0	0	0	0
44	New Subordinate Lien Debt 4		JD4	0	0	0	0	0	0	0
45	Other Funding Sources (Gen. Fund etc.)		Other	0	0	0	0	0	0	0
46	Total Funding Sources			\$176,969	\$668,957	\$902,500	\$1,616,723	\$1,975,554	\$1,340,363	\$6,681,065

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,					
		2018	2019	2020	2021	2022	2023
<u>STORMWATER SYSTEM</u>							
<u>Existing Debt:</u>							
1	Capital Improvement Revenue Note, Series 2014	\$49,232	\$49,335	\$49,911	\$50,056	\$49,671	\$49,546
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	8,040	201	0
4	Total Existing Debt Payments	<u>\$57,272</u>	<u>\$57,375</u>	<u>\$57,951</u>	<u>\$58,096</u>	<u>\$49,872</u>	<u>\$49,546</u>
<u>Proposed Senior Lien Debt:</u>							
5	New Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$44,229	\$44,229
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>\$44,229</u>	<u>\$44,229</u>
<u>Proposed Junior Lien Debt:</u>							
10	New Subordinate Lien Debt 1	\$0	\$0	\$0	\$84,863	\$84,863	\$84,863
11	New Subordinate Lien Debt 2	\$0	\$0	\$0	\$0	\$0	\$0
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>\$0</u>	<u>\$84,863</u>	<u>\$84,863</u>	<u>\$84,863</u>
15	Total Stormwater Debt Service Payments	<u><u>\$57,272</u></u>	<u><u>\$57,375</u></u>	<u><u>\$57,951</u></u>	<u><u>\$142,960</u></u>	<u><u>\$178,964</u></u>	<u><u>\$178,639</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,					
		2018	2019	2020	2021	2022	2023
PILOFF - Stormwater							
1	Current Year Rate Revenues	\$1,651,283	\$1,824,859	\$2,083,302	\$2,260,334	\$2,438,901	\$2,619,004
2	PILOFF Percentage	5.55%	5.90%	5.90%	5.90%	5.90%	5.90%
3	PILOFF - Stormwater [1]	\$91,695	\$107,667	\$122,915	\$133,360	\$143,895	\$154,521
4	Total PILOFF	\$91,695	\$107,667	\$122,915	\$133,360	\$143,895	\$154,521
Charter Reserve Transfer							
5	Charter Reserve Transfer	\$259,667	\$0	\$0	\$0	\$0	\$0
6	Total Transfers	\$351,362	\$107,667	\$122,915	\$133,360	\$143,895	\$154,521

Footnotes:

[1] Amounts reflect fund transfers budgeted in the Fiscal Year 2018 Operating Budget. This will not be charged to the stormwater system beginning in Fiscal Year 2020.

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,					
		2018	2019	2020	2021	2022	2023
<u>Year End Cash Balances Roll-Up</u>							
1	Operating Fund (448)	\$1,093,034	\$1,183,343	\$1,243,446	\$1,045,881	\$569,809	\$556,366
2	Capital Fund	0	0	0	0	0	0
3	Charter Reserve Fund	259,797	260,057	260,317	260,577	260,837	261,098
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	\$1,352,831	\$1,443,399	\$1,503,763	\$1,306,458	\$830,646	\$817,464
<u>Operating/General Revenue Account</u>							
8	Beginning Balance	\$1,033,504	\$1,093,034	\$1,183,343	\$1,243,446	\$1,045,881	\$569,809
9	Transfer In - Stormwater Revenue	1,651,283	1,824,859	2,083,302	2,260,334	2,438,901	2,619,004
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	1,594,753	1,734,550	2,023,199	2,253,149	2,214,973	2,632,446
16	Transfers Out - Capital Improvements	0	0	0	204,750	700,000	0
17	Transfers Out - R&R Fund	0	0	0	0	0	0
18	Transfers Out - Stormwater Capital Fund	0	0	0	0	0	0
19	Transfers Out - Existing Construction Fund	0	0	0	0	0	0
20	Transfers In (Out)	0	0	0	0	0	0
21	Interest Rate	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
22	Interest Income	1,063	1,138	1,213	1,145	808	563
	Recognition of Interest Earnings						
23	in Revenue Requirements	1,063	1,138	1,213	1,145	808	563
24	Ending Balance	1,093,034	1,183,343	1,243,446	1,045,881	569,809	556,366
25	Target Days of Available Cash: 30 Days of Revenue	135,722	149,988	171,230	185,781	200,458	215,261
26	Calculated Days of Available Cash (Revenue)	242	237	218	169	85	78
<u>Stormwater Capital Fund</u>							
27	Beginning Balance [1]	\$0	\$0	\$0	\$0	\$0	\$0
28	Transfers In - Operating Reserves	0	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	0	0	0	0	0	0
	Recognition of Interest Earnings						
35	in Revenue Requirements	0	0	0	0	0	0
36	Ending Balance	0	0	0	0	0	0
<u>Charter Reserve Fund</u>							
37	Beginning Balance [1]	\$0	\$259,797	\$260,057	\$260,317	\$260,577	\$260,837
38	Transfers In - Operating Reserves	0	0	0	0	0	0
39	Transfers In - Charter Reserve Deposit	259,667	0	0	0	0	0
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	130	260	260	260	261	261
	Recognition of Interest Earnings						
46	in Revenue Requirements	0	0	0	0	0	0
47	Ending Balance	259,797	260,057	260,317	260,577	260,837	261,098
<u>Previously Issued Debt Construction Fund</u>							
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						
55	in Revenue Requirements	0	0	0	0	0	0
56	Ending Balance	0	0	0	0	0	0
<u>Proposed Debt Construction Fund</u>							
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.					
		2018	2019	2020	2021	2022	2023
58	Transfers In	0	0	0	0	460,250	0
59	Transfers Out	0	0	0	0	460,250	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
Debt Service Sinking Fund							
Annual Sinking Fund Deposit							
64	Total Debt Service	\$57,272	\$57,375	\$57,951	\$142,960	\$178,964	\$178,639
65	Average Balance (25% of annual debt service)	14,300	14,300	14,500	35,700	44,700	44,700
66	Interest Rate	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
67	Interest Income	14	14	15	36	45	45
68	Recognition of Interest Earnings in Revenue Requirements	14	14	15	36	45	45
69	Ending Balance	42,972	43,075	43,451	107,260	134,264	133,939
Debt Service Reserve Fund							
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	Total Unrestricted Interest Income	<u>\$1,207</u>	<u>\$1,412</u>	<u>\$1,488</u>	<u>\$1,441</u>	<u>\$1,113</u>	<u>\$869</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,					
		2018	2019	2020	2021	2022	2023
1	Operating Expenses [1]	\$1,089,892	\$1,175,047	\$1,220,884	\$1,269,227	\$1,320,192	\$1,373,974
	<u>Existing Debt Service [2]</u>						
2	Capital Improvement Revenue Note, Series 2014	\$49,232	\$49,335	\$49,911	\$50,056	\$49,671	\$49,546
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	8,040	201	0
5	Total Existing Debt	\$57,272	\$57,375	\$57,951	\$58,096	\$49,872	\$49,546
	<u>Proposed Debt Service [3]</u>						
6	New Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$44,229	\$44,229
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	84,863	84,863	84,863
11	New Subordinate Lien Debt 2	0	0	0	0	0	0
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	\$0	\$84,863	\$129,092	\$129,092
15	Total Debt Service	\$57,272	\$57,375	\$57,951	\$142,960	\$178,964	\$178,639
	<u>Other Revenue Requirements</u>						
16	Transfer to Operating Reserves	\$0	\$0	\$0	\$0	\$0	\$0
17	Cost Allocation	0	0	0	0	0	0
18	Payment In Lieu of Franchise Fee [4]	91,695	107,667	122,915	133,360	143,895	154,521
19	Transfer to Charter Reserve Fund	259,667	0	0	0	0	0
20	Capital Funded from Rates [5]	176,969	481,457	708,520	794,626	658,619	1,011,765
21	Total Other Revenue Requirements	\$528,331	\$589,123	\$831,435	\$927,986	\$802,514	\$1,166,286
22	Gross Revenue Requirements	\$1,675,495	\$1,821,546	\$2,110,270	\$2,340,173	\$2,301,670	\$2,718,899
	<u>Less Income and Funds from Other Sources</u>						
23	Other Operating Revenue [6]	\$79,535	\$85,583	\$85,583	\$85,583	\$85,583	\$85,583
24	Uses of Reserves	0	0	0	0	0	0
25	Unrestricted Interest Income [7]	1,207	1,412	1,488	1,441	1,113	869
26	Transfer from General Fund	0	0	0	0	0	0
27	Net Revenue Requirements	\$1,594,753	\$1,734,550	\$2,023,199	\$2,253,149	\$2,214,973	\$2,632,446
	<u>Revenue from Rates</u>						
	<u>Stormwater Base Fee</u>						
28	Stormwater Rate Revenue - Existing Rates	\$1,096,313	\$1,102,624	\$1,108,936	\$1,115,247	\$1,121,558	\$1,127,870
29	Prior Year Rate Adjustments	0	0	110,894	278,812	392,545	507,541
30	Total Rate Revenue Before Current Year Adjustment	\$1,096,313	\$1,102,624	\$1,219,829	\$1,394,059	\$1,514,104	\$1,635,411
	<u>Current Year Rate Adjustments - Base Fee</u>						
31	Current Year Rate Adjustments	0.0%	10.0%	13.6%	8.0%	7.4%	6.9%
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	\$110,262	\$166,340	\$111,525	\$112,156	\$112,787
35	Total Revenue from Rates - Base Fee	\$1,096,313	\$1,212,887	\$1,386,169	\$1,505,583	\$1,626,259	\$1,748,198
	<u>Stormwater Assessment Fee</u>						
36	Stormwater Rate Revenue - Existing Rates	\$554,970	\$556,338	\$557,706	\$559,074	\$560,442	\$561,810
37	Prior Year Rate Adjustments	0	0	55,771	139,769	196,155	252,815
38	Total Rate Revenue Before Current Year Adjustment	\$554,970	\$556,338	\$613,477	\$698,843	\$756,597	\$814,625

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

Projected Stormwater System Revenue Requirements

Line No.	Description	Fiscal Year Ending September 30,					
		2018	2019	2020	2021	2022	2023
<u>Current Year Rate Adjustments - Assessment Fee</u>							
39	Current Year Rate Adjustments	0.0%	10.0%	13.6%	8.0%	7.4%	6.9%
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	\$55,634	\$83,656	\$55,907	\$56,044	\$56,181
43	Total Revenue from Rates - Assessment Fee	\$554,970	\$611,972	\$697,133	\$754,750	\$812,641	\$870,806
<u>Combined Revenue from Rates</u>							
44	Stormwater Rate Revenue - Existing Rates	\$1,651,283	\$1,658,962	\$1,666,642	\$1,674,321	\$1,682,001	\$1,689,680
45	Prior Year Rate Adjustments	0	0	166,664	418,580	588,700	760,356
46	Total Rate Revenue Before Current Year Adjustment	\$1,651,283	\$1,658,962	\$1,833,306	\$2,092,901	\$2,270,701	\$2,450,036
<u>Current Year Rate Adjustments</u>							
47	Current Year Rate Adjustments	0.0%	10.0%	13.6%	8.0%	7.4%	6.9%
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	\$165,896	\$249,996	\$167,432	\$168,200	\$168,968
51	Total Revenue from Rates	\$1,651,283	\$1,824,859	\$2,083,302	\$2,260,334	\$2,438,901	\$2,619,004
52	Revenue Surplus/(Deficiency) [8]	\$56,530	\$90,309	\$60,104	\$7,185	\$223,927	(\$13,443)
53	Percentage Revenue Surplus/(Deficiency)	3.4%	4.9%	2.9%	0.3%	9.2%	-0.5%

Footnotes:

- [1] Amounts shown based on Table 3-5.
- [2] Payment amounts shown were based on debt service schedules provided by City Staff.
- [3] Amounts shown represent payments on proposed capital leases utilized in the funding of the CIP.
- [4] Amount shown is a transfer to the City's General Fund and is based on 5.9% of the previous Fiscal Year's revenues. The PILOFF will no longer be charged after 2020.
- [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					
		2018	2019	2020	2021	2022	2023
Gross Revenues							
<u>Stormwater Revenues</u>							
1	Revenues from Existing Rates	[1] \$1,651,283	\$1,658,962	\$1,666,642	\$1,674,321	\$1,682,001	\$1,689,680
2	Revenues from Proposed Rate Adjustments	[2] 0	165,896	416,660	586,012	756,900	929,324
3	Total Rate Revenues	\$1,651,283	\$1,824,859	\$2,083,302	\$2,260,334	\$2,438,901	\$2,619,004
4	Other Operating Revenue	79,535	85,583	85,583	85,583	85,583	85,583
5	Unrestricted Interest Income	[3] 1,207	1,412	1,488	1,441	1,113	869
6	Total System Gross Revenues	\$1,732,025	\$1,911,854	\$2,170,374	\$2,347,358	\$2,525,597	\$2,705,456
7	Operation and Maintenance Expenses	\$1,089,892	\$1,175,047	\$1,220,884	\$1,269,227	\$1,320,192	\$1,373,974
8	Net Revenues	\$642,133	\$736,807	\$949,489	\$1,078,131	\$1,205,405	\$1,331,482
Senior Lien Coverage							
9	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$44,229	\$44,229
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	\$44,229	\$44,229
	Coverage Ratio - Calculated	N/A	N/A	N/A	N/A	27.25	30.10
14	Coverage Ratio - Required	1.15	1.15	1.15	1.15	1.15	1.15
Subordinate Lien Coverage							
15	Net Revenues	\$642,133	\$736,807	\$949,489	\$1,078,131	\$1,205,405	\$1,331,482
16	Less Senior Lien Debt Service (Inc. Coverage)	0	0	0	0	(50,863)	(50,863)
17	Net Revenues less Senior Lien Debt Service	\$642,133	\$736,807	\$949,489	\$1,078,131	\$1,154,542	\$1,280,618
<u>Subordinate Debt Service:</u>							
Existing Debt Service							
18	Capital Improvement Revenue Note, Series 2014	[4] \$49,232	\$49,335	\$49,911	\$50,056	\$49,671	\$49,546
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	8,040	201	0
Proposed Debt Service							
21	Additional Subordinate Lien Debt 1	[5] \$0	\$0	\$0	\$84,863	\$84,863	\$84,863
22	Additional Subordinate Lien Debt 2	0	0	0	0	0	0
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	\$57,272	\$57,375	\$57,951	\$142,960	\$134,735	\$134,409
26	Coverage Ratio - Calculated	11.21	12.84	16.38	7.54	8.57	9.53
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	\$584,861	\$679,432	\$891,538	\$935,171	\$1,026,441	\$1,152,843
All-In Debt Service Coverage							
29	Combined All-In Debt Service Payments	\$57,272	\$57,375	\$57,951	\$142,960	\$178,964	\$178,639
30	Coverage Ratio - Calculated	11.21	12.84	16.38	7.54	6.74	7.45
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] \$91,695	\$107,667	\$122,915	\$133,360	\$143,895	\$154,521
33	Transfer to Charter Reserve Fund	259,667	0	0	0	0	0
34	Capital Funded from Rates	176,969	481,457	708,520	794,626	658,619	1,011,765
35	Transfer From General Fund	0	0	0	0	0	0
36	Net transfer from / (to) Reserves	0	0	0	0	0	0
37	Net Transfer to (from) Reserves	\$56,530	\$90,309	\$60,104	\$7,185	\$223,927	(\$13,443)

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, 2017.
 [2] Revenue from rate adjustments reflect the following projected rate increases effective October 1st of each year.

Fiscal Year	2018	2019	2020	2021	2022	2023
Rate Adjustment	0.00%	10.00%	13.64%	8.00%	7.41%	6.90%

- [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. This will no longer be charged starting in Fiscal Year 2020.

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

Comparison of Monthly Residential Stormwater Rates [1]

Line No.	Description	Monthly Stormwater Rate per ERU	Impervious Surface per ERU
City of Edgewater			
1	Existing Rates	\$10.00	2,027
2	Proposed Rates - Fiscal Year 2019	11.00	2,027
<u>Other Florida Utilities</u>			
3	City of Daytona Beach	\$10.07	1,661
4	City of DeLand	8.69	3,100
5	City of Deltona	9.00	3,484
6	City of Eustis	6.00	2,187
7	City of Holly Hill	6.00	2,050
8	New Smyrna Beach Utilities Commission	7.25	1,818
9	City of Ormond Beach	8.00	3,000
10	City of Palm Coast	11.65	3,682
11	City of Port Orange	8.33	3,050
12	City of Sanford	9.27	2,126
13	City of South Daytona	9.00	2,000
14	Volusia County	6.00	2,775
15	Other Utilities' Average	\$8.27	2,578
16	Minimum	6.00	1,661
17	Maximum	11.65	3,682

Footnotes:

- [1] Unless otherwise noted, amounts shown reflect rates in effect June 2018 and are exclusive of taxes or franchise fees, if any. All rates are as reported by the respective local government.

APPENDICES



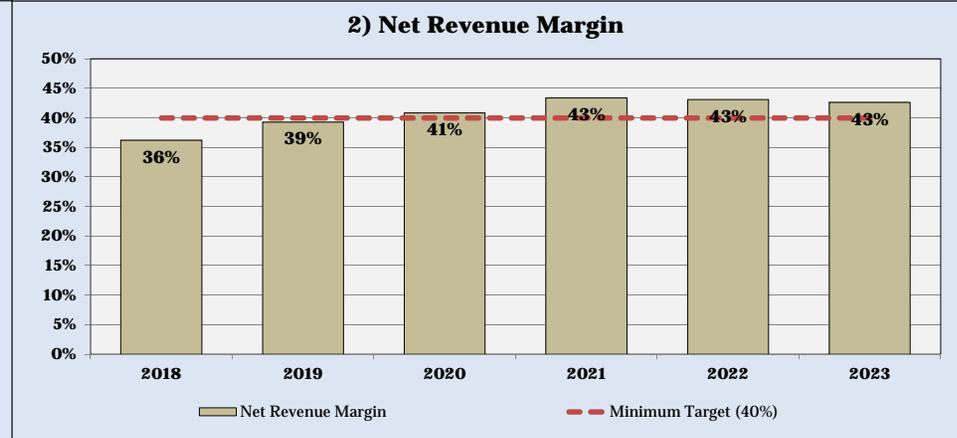
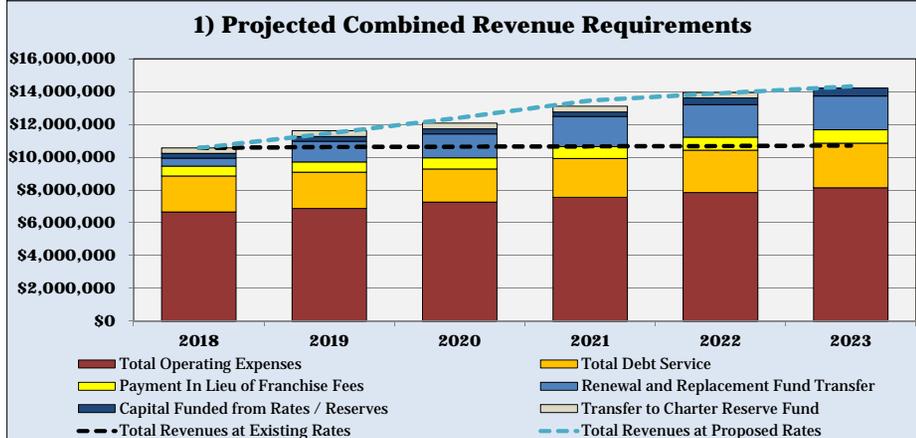
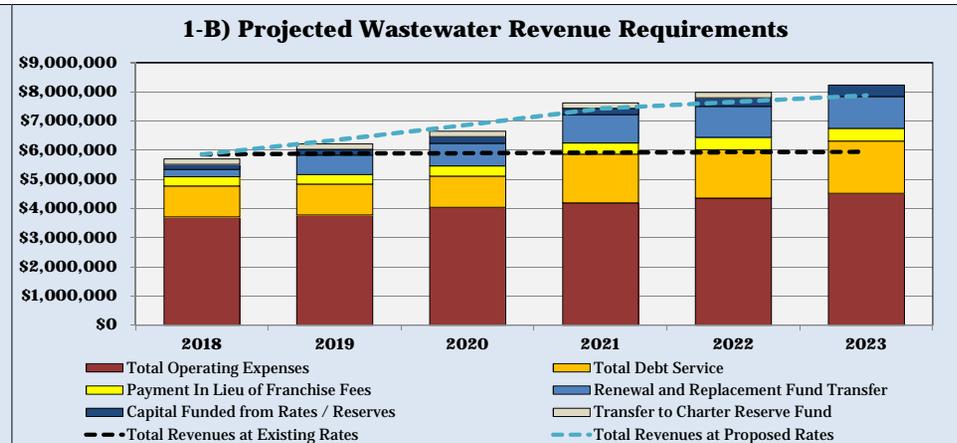
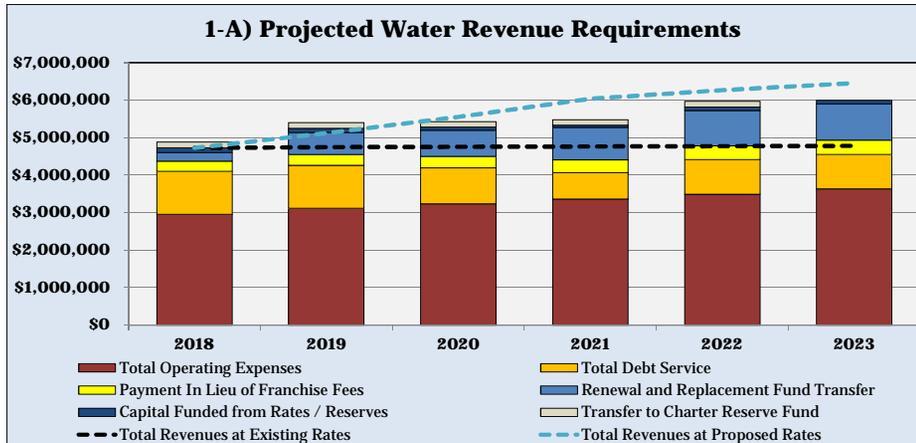


Appendix I
City of Edgewater, Florida
Water and Wastewater Utility Rate Study



Water and Wastewater System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30th,						Description	Fiscal Year Ending September 30th,					
	2018	2019	2020	2021	2022	2023		2018	2019	2020	2021	2022	2023
Recognized Revenue Adjustments:							System Surplus / (Deficiency):						
Water Revenue Adjustment	0.00%	9.00%	9.00%	9.00%	3.00%	3.00%	Water Revenue Surplus / (Deficiency)	(\$154,690)	(\$279,300)	\$125,489	\$553,621	\$297,355	\$459,528
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Wastewater Revenue Surplus / (Deficiency)	154,726	126,625	213,564	(195,562)	(332,008)	(353,823)
Wholesale Water Revenue Adjustment	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	Combined Revenue Surplus / (Deficiency)	\$36	(\$152,675)	\$339,052	\$358,059	(\$34,653)	\$105,704
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Rate Revenues	0.00%	-1.43%	2.91%	2.82%	-0.26%	0.78%
Wastewater Revenue Adj.	0.00%	9.00%	9.00%	9.00%	3.00%	3.00%	Average Residential Bill:						
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Water Bill @ 3,000 gal	\$22.21	\$24.21	\$26.39	\$28.76	\$29.63	\$30.51
Reclaimed Revenue Adj.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Average Wastewater Bill @ 3,000 gal	37.07	40.41	44.04	48.01	49.45	50.93
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Combined Bill @ 3,000 gal	\$59.28	\$64.62	\$70.43	\$76.77	\$79.07	\$81.44
Combined Adjustment	N/A	8.40%	8.42%	8.45%	3.04%	3.05%	Monthly Increase - Total	N/A	\$5.34	\$5.82	\$6.34	\$2.30	\$2.37
Cumulative Adjustment	N/A	8.40%	17.53%	27.46%	31.34%	35.34%	Monthly Increase - Cost Per Gallon	N/A	\$0.0013	\$0.0015	\$0.0016	\$0.0006	\$0.0006



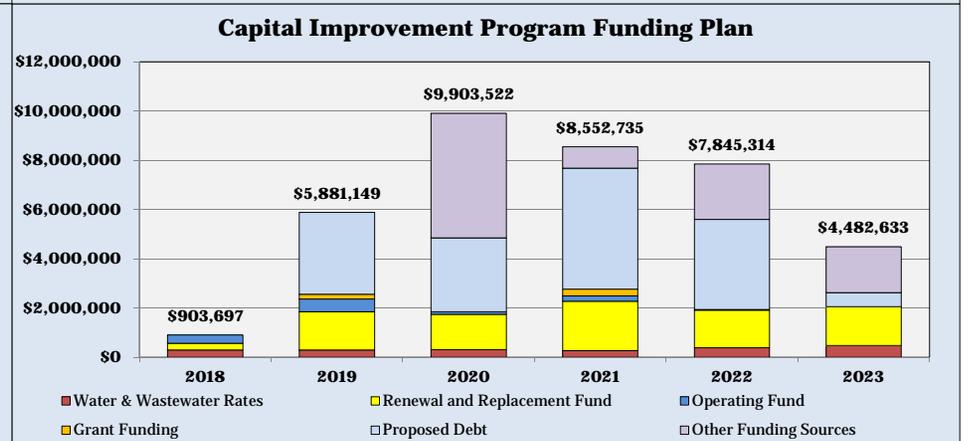
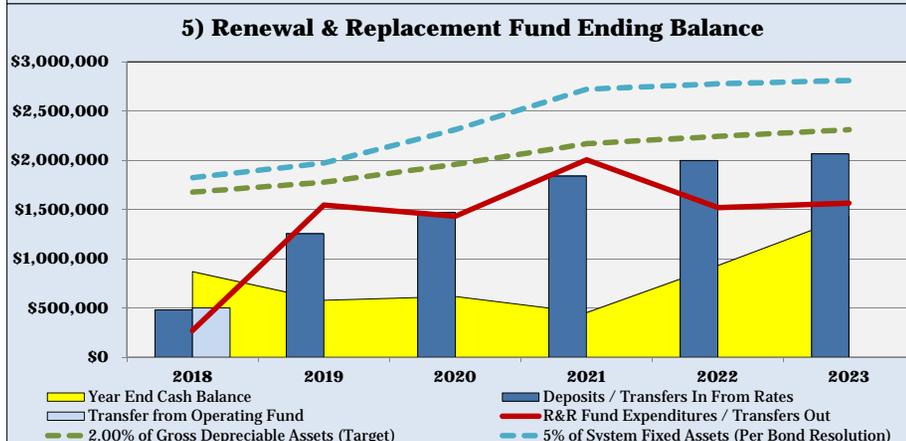
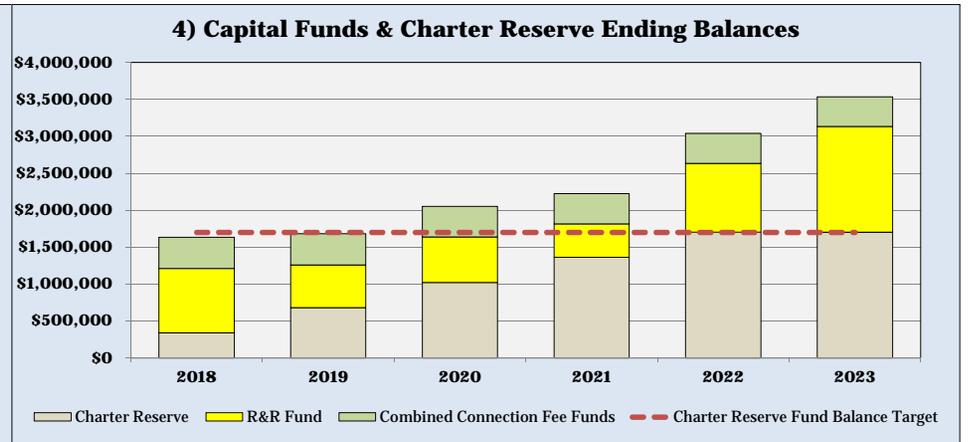
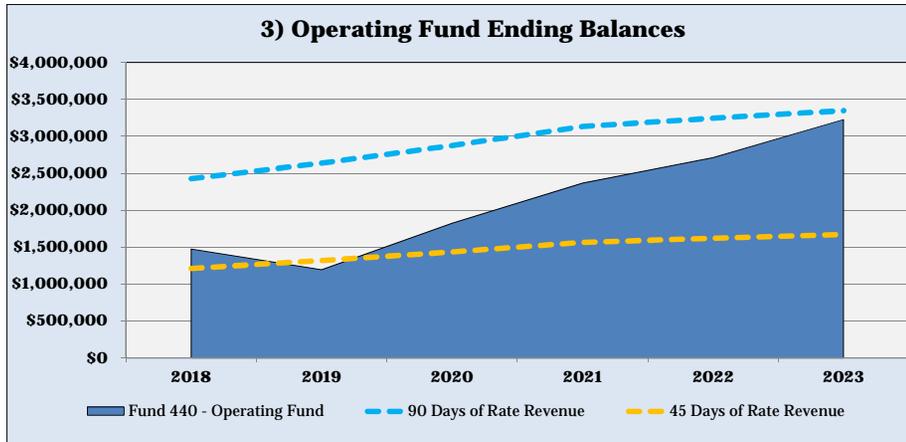


Appendix I
City of Edgewater, Florida
Water and Wastewater Utility Rate Study



Water and Wastewater System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30th,						Description	Fiscal Year Ending September 30th,					
	2018	2019	2020	2021	2022	2023		2018	2019	2020	2021	2022	2023
Recognized Revenue Adjustments:							System Surplus / (Deficiency):						
Water Revenue Adjustment	0.00%	9.00%	9.00%	9.00%	3.00%	3.00%	Water Revenue Surplus / (Deficiency)	(\$154,690)	(\$279,300)	\$125,489	\$553,621	\$297,355	\$459,528
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Wastewater Revenue Surplus / (Deficiency)	154,726	126,625	213,564	(195,562)	(332,008)	(353,823)
Wholesale Water Revenue Adjustment	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	Combined Revenue Surplus / (Deficiency)	\$36	(\$152,675)	\$339,052	\$358,059	(\$34,653)	\$105,704
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Rate Revenues	0.00%	-1.43%	2.91%	2.82%	-0.26%	0.78%
Wastewater Revenue Adj.	0.00%	9.00%	9.00%	9.00%	3.00%	3.00%	Average Residential Bill:						
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Water Bill @ 3,000 gal	\$22.21	\$24.21	\$26.39	\$28.76	\$29.63	\$30.51
Reclaimed Revenue Adj.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Average Wastewater Bill @ 3,000 gal	37.07	40.41	44.04	48.01	49.45	50.93
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Combined Bill @ 3,000 gal	\$59.28	\$64.62	\$70.43	\$76.77	\$79.07	\$81.44
Combined Adjustment	N/A	8.40%	8.42%	8.45%	3.04%	3.05%	Monthly Increase - Total	N/A	\$5.34	\$5.82	\$6.34	\$2.30	\$2.37
Cumulative Adjustment	N/A	8.40%	17.53%	27.46%	31.34%	35.34%	Monthly Increase - Cost Per Gallon	N/A	\$0.0013	\$0.0015	\$0.0016	\$0.0006	\$0.0006



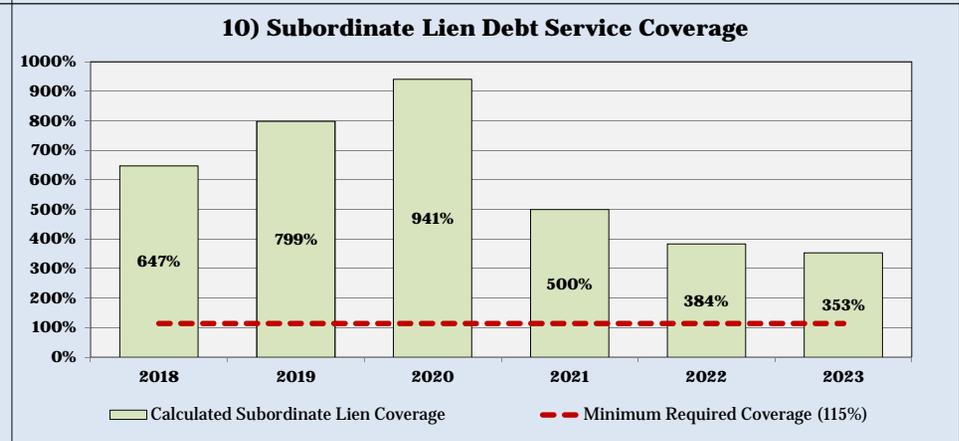
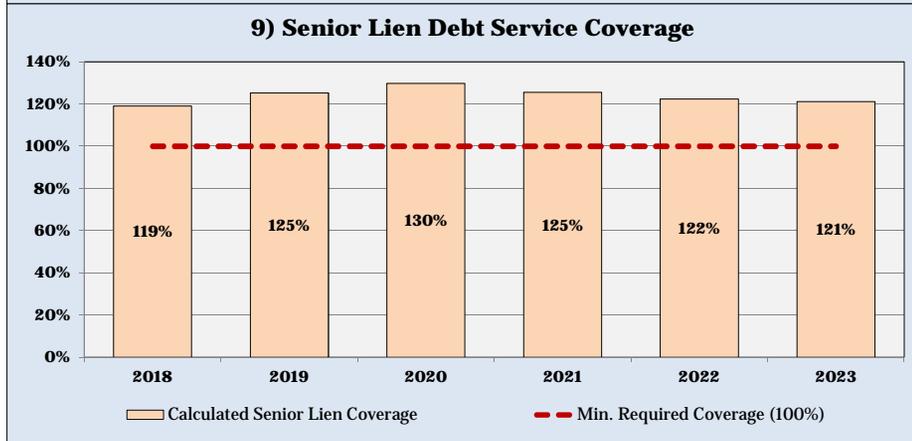
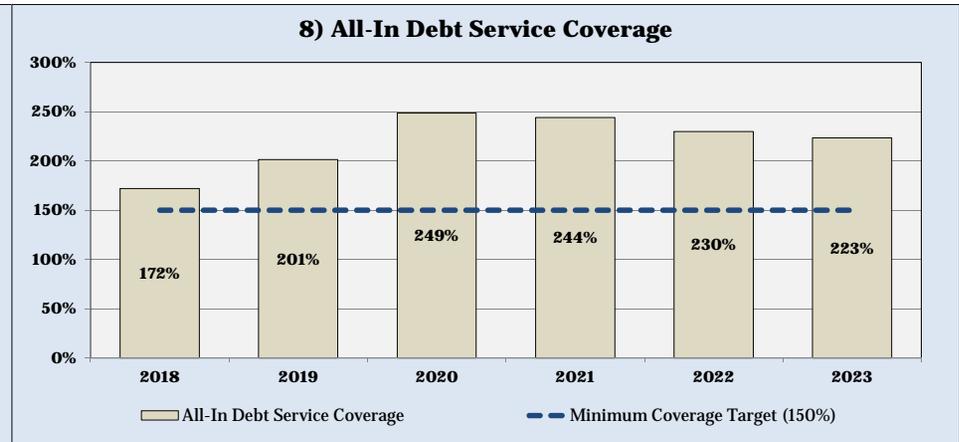
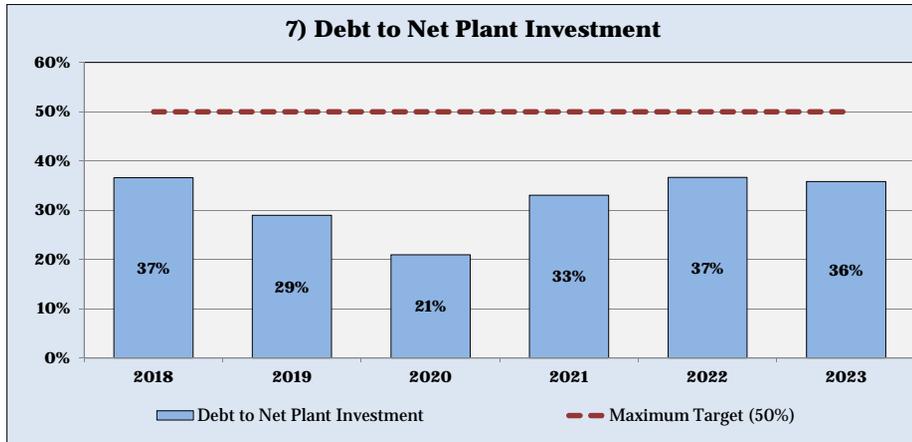


**Appendix I
City of Edgewater, Florida
Water and Wastewater Utility Rate Study**



Water and Wastewater System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30th,						Description	Fiscal Year Ending September 30th,					
	2018	2019	2020	2021	2022	2023		2018	2019	2020	2021	2022	2023
Recognized Revenue Adjustments:							System Surplus / (Deficiency):						
Water Revenue Adjustment	0.00%	9.00%	9.00%	9.00%	3.00%	3.00%	Water Revenue Surplus / (Deficiency)	(\$154,690)	(\$279,300)	\$125,489	\$553,621	\$297,355	\$459,528
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Wastewater Revenue Surplus / (Deficiency)	154,726	126,625	213,564	(195,562)	(332,008)	(353,823)
Wholesale Water Revenue Adjustment	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	Combined Revenue Surplus / (Deficiency)	\$36	(\$152,675)	\$339,052	\$358,059	(\$34,653)	\$105,704
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Rate Revenues	0.00%	-1.43%	2.91%	2.82%	-0.26%	0.78%
Wastewater Revenue Adj.	0.00%	9.00%	9.00%	9.00%	3.00%	3.00%	Average Residential Bill:						
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Water Bill @ 3,000 gal	\$22.21	\$24.21	\$26.39	\$28.76	\$29.63	\$30.51
Reclaimed Revenue Adj.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Average Wastewater Bill @ 3,000 gal	37.07	40.41	44.04	48.01	49.45	50.93
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Combined Bill @ 3,000 gal	\$59.28	\$64.62	\$70.43	\$76.77	\$79.07	\$81.44
Combined Adjustment	N/A	8.40%	8.42%	8.45%	3.04%	3.05%	Monthly Increase - Total	N/A	\$5.34	\$5.82	\$6.34	\$2.30	\$2.37
Cumulative Adjustment	N/A	8.40%	17.53%	27.46%	31.34%	35.34%	Monthly Increase - Cost Per Gallon	N/A	\$0.0013	\$0.0015	\$0.0016	\$0.0006	\$0.0006



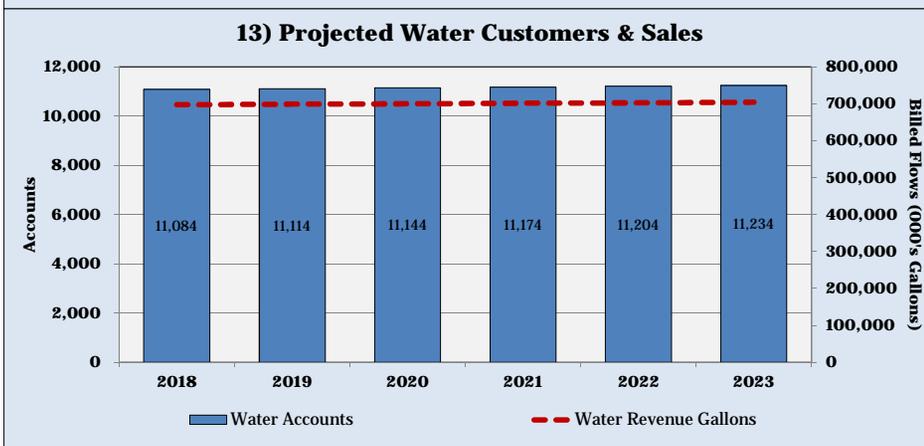
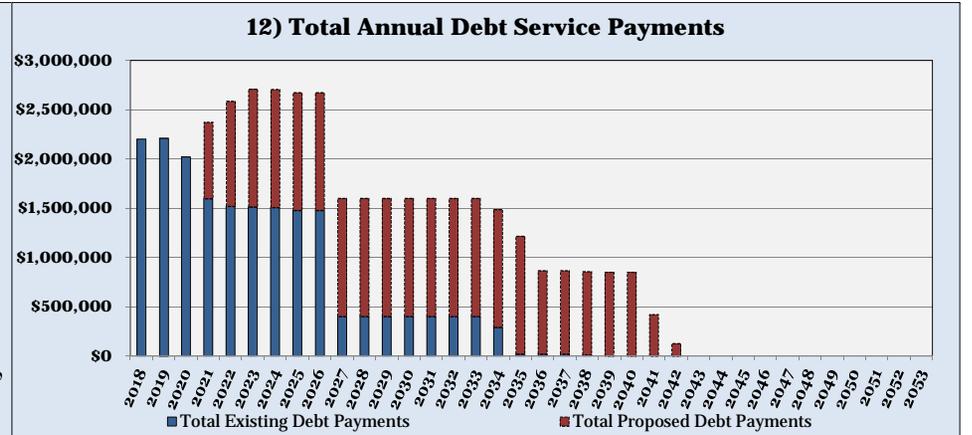
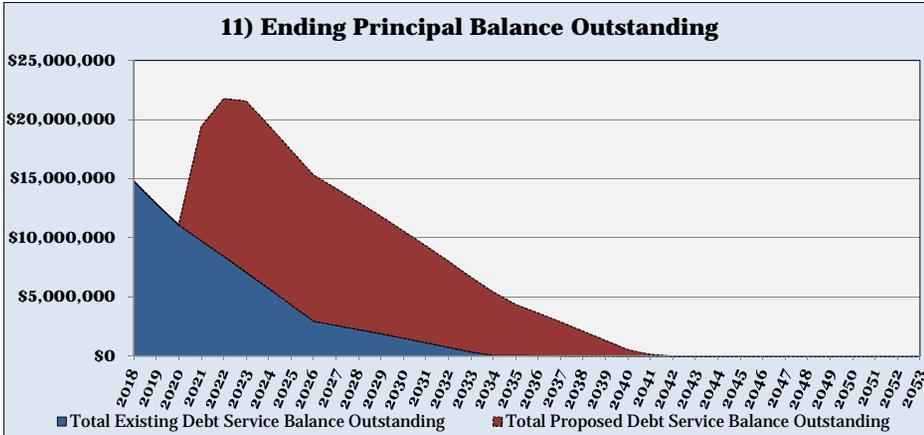


Appendix I
City of Edgewater, Florida
Water and Wastewater Utility Rate Study



Water and Wastewater System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30th,						Description	Fiscal Year Ending September 30th,					
	2018	2019	2020	2021	2022	2023		2018	2019	2020	2021	2022	2023
Recognized Revenue Adjustments:							System Surplus / (Deficiency):						
Water Revenue Adjustment	0.00%	9.00%	9.00%	9.00%	3.00%	3.00%	Water Revenue Surplus / (Deficiency)	(\$154,690)	(\$279,300)	\$125,489	\$553,621	\$297,355	\$459,528
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Wastewater Revenue Surplus / (Deficiency)	154,726	126,625	213,564	(195,562)	(332,008)	(353,823)
Wholesale Water Revenue Adjustment	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	Combined Revenue Surplus / (Deficiency)	\$36	(\$152,675)	\$339,052	\$358,059	(\$34,653)	\$105,704
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Rate Revenues	0.00%	-1.43%	2.91%	2.82%	-0.26%	0.78%
Wastewater Revenue Adj.	0.00%	9.00%	9.00%	9.00%	3.00%	3.00%	Average Residential Bill:						
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Water Bill @ 3,000 gal	\$22.21	\$24.21	\$26.39	\$28.76	\$29.63	\$30.51
Reclaimed Revenue Adj.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Average Wastewater Bill @ 3,000 gal	37.07	40.41	44.04	48.01	49.45	50.93
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Combined Bill @ 3,000 gal	\$59.28	\$64.62	\$70.43	\$76.77	\$79.07	\$81.44
Combined Adjustment	N/A	8.40%	8.42%	8.45%	3.04%	3.05%	Monthly Increase - Total	N/A	\$5.34	\$5.82	\$6.34	\$2.30	\$2.37
Cumulative Adjustment	N/A	8.40%	17.53%	27.46%	31.34%	35.34%	Monthly Increase - Cost Per Gallon	N/A	\$0.0013	\$0.0015	\$0.0016	\$0.0006	\$0.0006



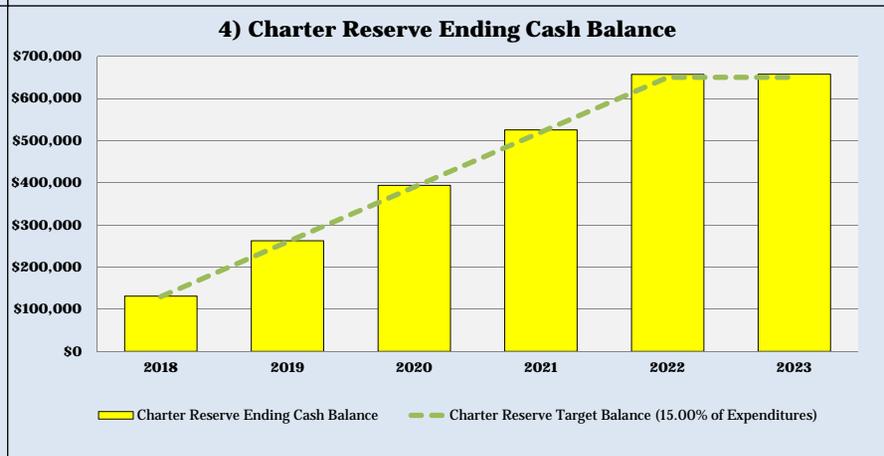
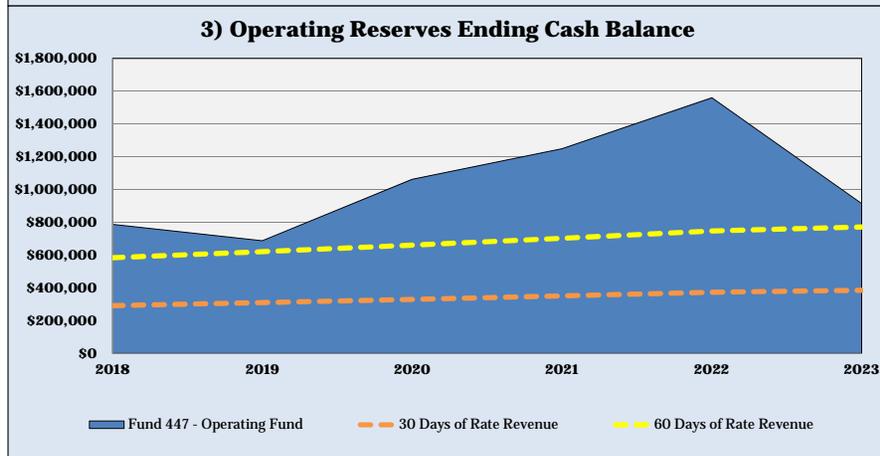
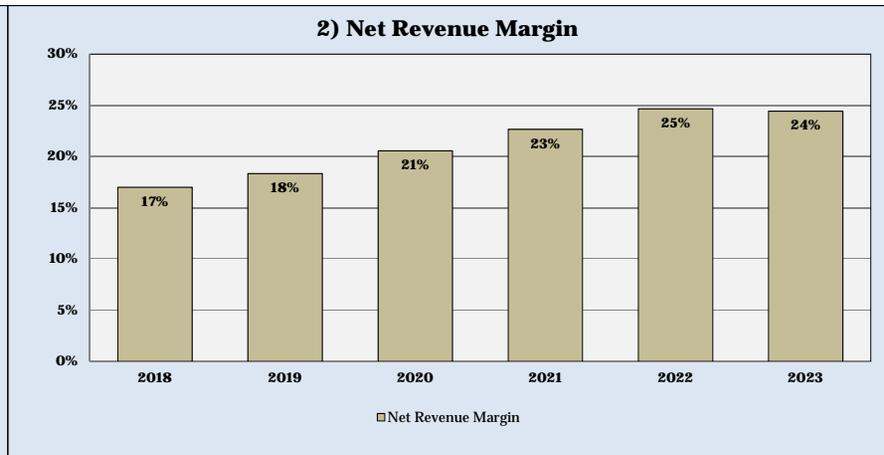
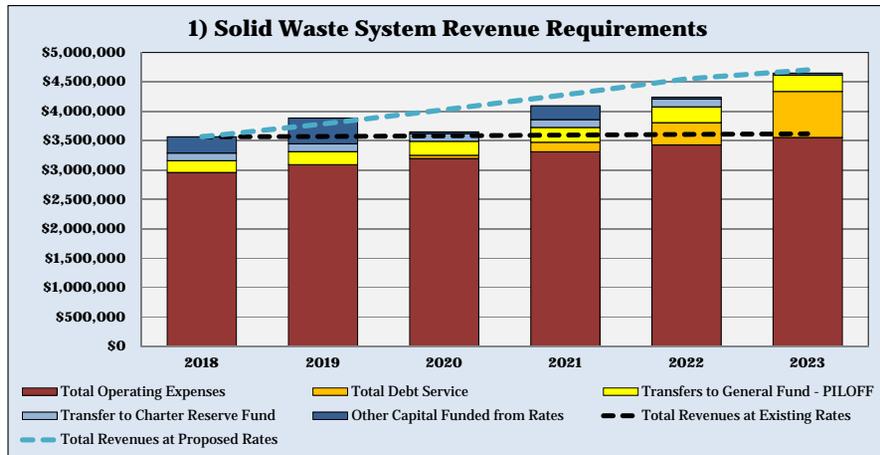


**Appendix 2
City of Edgewater, Florida
Solid Waste Utility Rate Study**



Solid Waste System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30,						Description	Fiscal Year Ending September 30,						
	2018	2019	2020	2021	2022	2023		2018 Base	2018	2019	2020	2021	2022	2023
Recognized Revenue Adjustments:							System Surplus / (Deficiency)		\$545	(\$99,583)	\$374,478	\$186,360	\$311,081	\$54,144
Solid Waste Collection Revenue Adjustment	0.00%	6.00%	6.00%	6.00%	6.00%	3.00%	Percent of Rate Revenues		0.02%	-2.63%	9.31%	4.36%	6.84%	1.15%
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Residential Bill:							
Recycling Revenue Adjustment	0.00%	6.00%	6.00%	6.00%	6.00%	3.00%	Solid Waste Collection	\$26.09	\$26.09	\$27.66	\$29.32	\$31.08	\$32.94	\$33.93
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Recycling	3.34	3.34	3.54	3.75	3.98	4.22	4.35
Combined Adjustment	N/A	6.00%	6.00%	6.00%	6.00%	3.00%	Total Solid Waste Bill	\$29.43	\$29.43	\$31.20	\$33.07	\$35.06	\$37.16	\$38.28
Cumulative Adjustment	N/A	6.00%	12.36%	19.10%	26.25%	30.04%	Annual Increase - Total	N/A	\$0.00	\$1.77	\$1.87	\$1.99	\$2.10	\$1.12



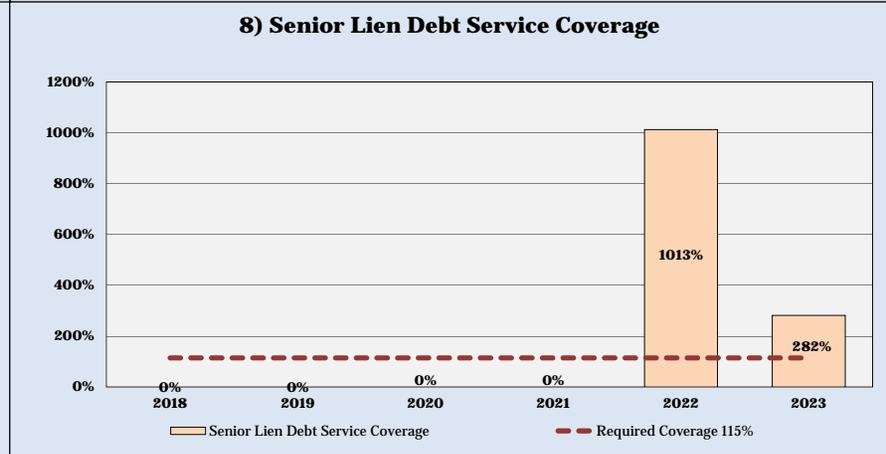
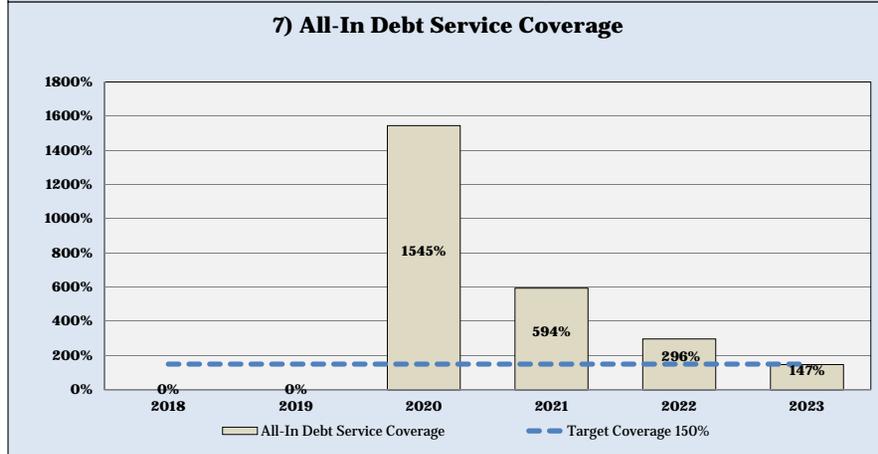
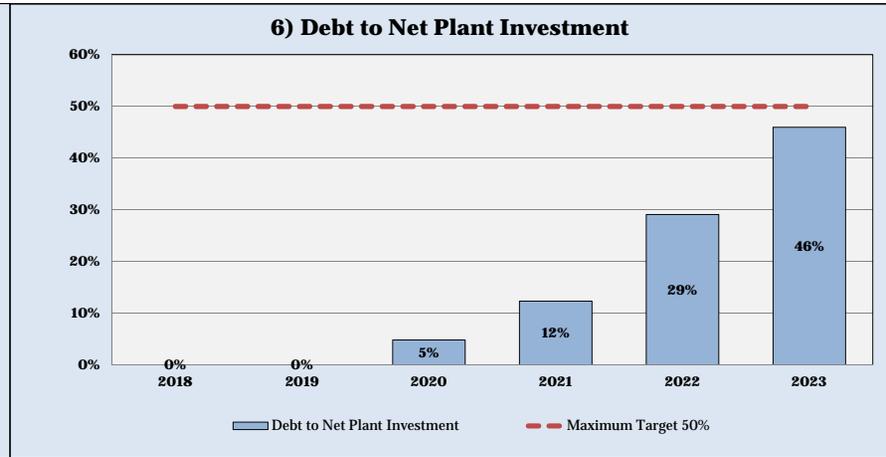
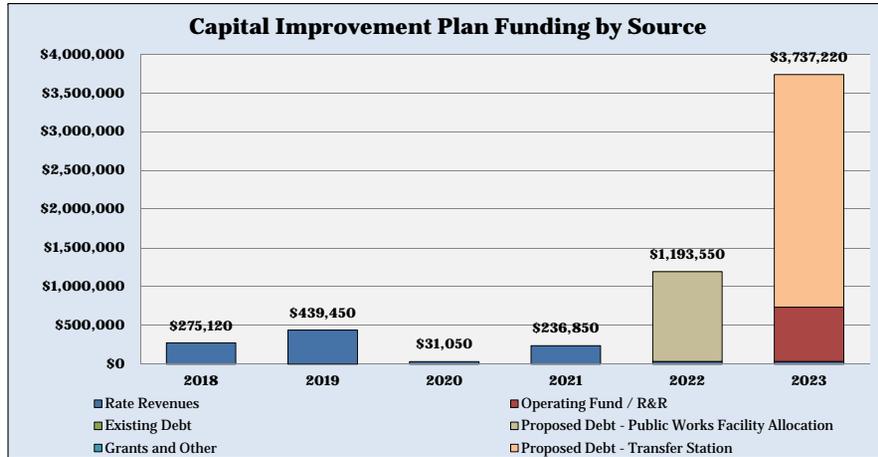


**Appendix 2
City of Edgewater, Florida
Solid Waste Utility Rate Study**



Solid Waste System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30,						Description	Fiscal Year Ending September 30,						
	2018	2019	2020	2021	2022	2023		2018 Base	2018	2019	2020	2021	2022	2023
Recognized Revenue Adjustments:							System Surplus / (Deficiency)		\$545	(\$99,583)	\$374,478	\$186,360	\$311,081	\$54,144
Solid Waste Collection Revenue Adjustment	0.00%	6.00%	6.00%	6.00%	6.00%	3.00%	Percent of Rate Revenues	0.02%	-2.63%	9.31%	4.36%	6.84%	1.15%	
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Residential Bill:							
Recycling Revenue Adjustment	0.00%	6.00%	6.00%	6.00%	6.00%	3.00%	Solid Waste Collection	\$26.09	\$26.09	\$27.66	\$29.32	\$31.08	\$32.94	\$33.93
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Recycling	3.34	3.34	3.54	3.75	3.98	4.22	4.35
Combined Adjustment	N/A	6.00%	6.00%	6.00%	6.00%	3.00%	Total Solid Waste Bill	\$29.43	\$29.43	\$31.20	\$33.07	\$35.06	\$37.16	\$38.28
Cumulative Adjustment	N/A	6.00%	12.36%	19.10%	26.25%	30.04%	Annual Increase - Total	N/A	\$0.00	\$1.77	\$1.87	\$1.99	\$2.10	\$1.12



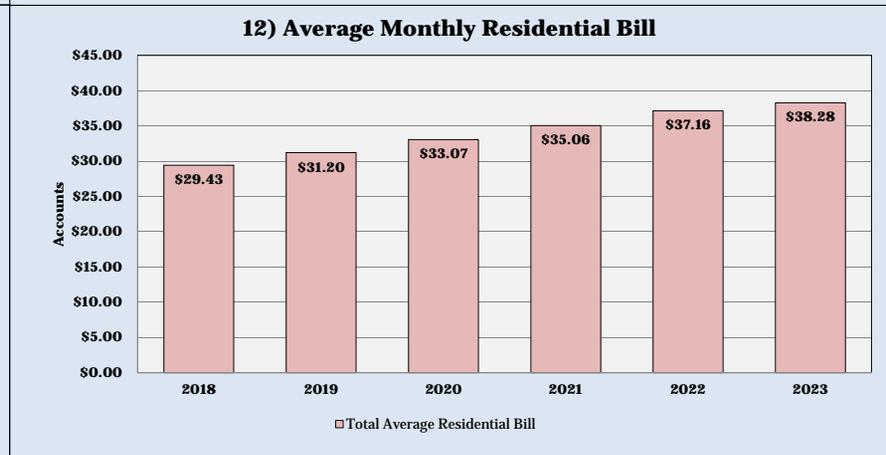
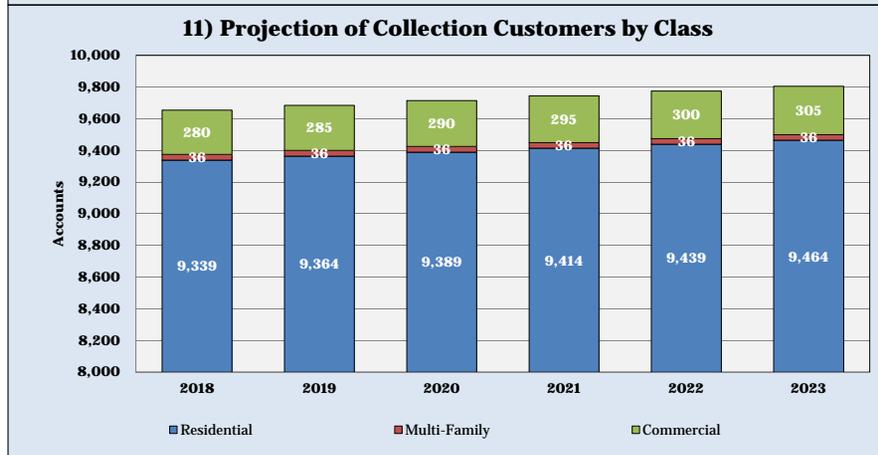
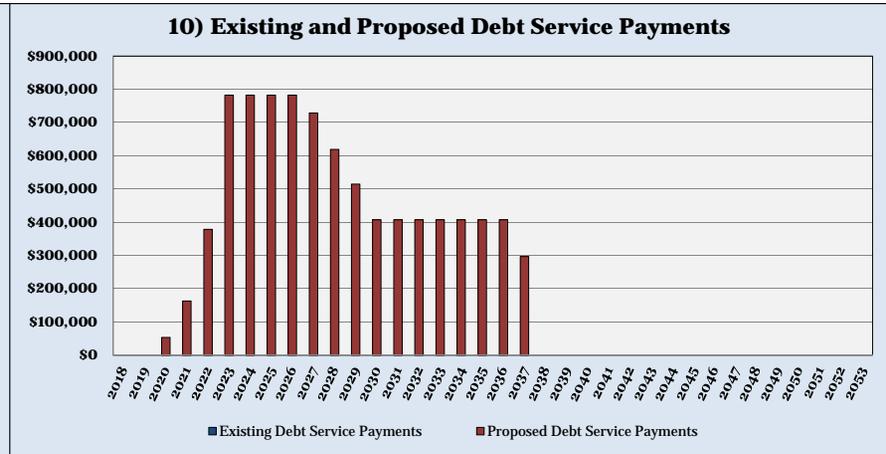
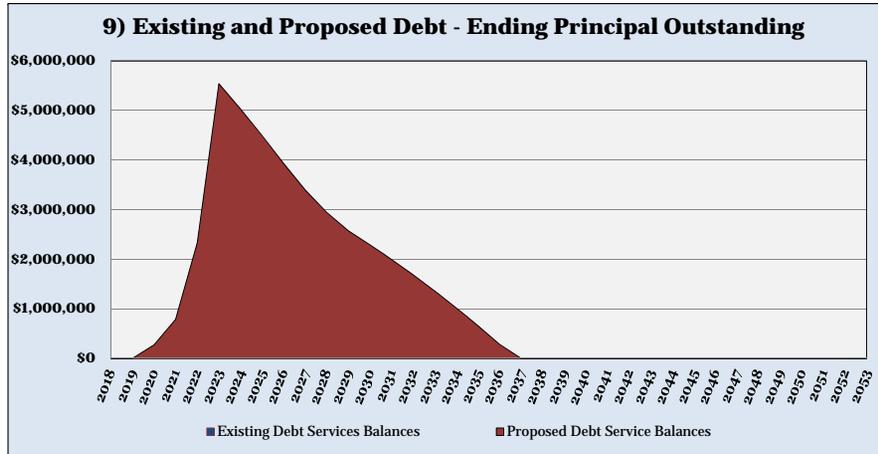


**Appendix 2
City of Edgewater, Florida
Solid Waste Utility Rate Study**



Solid Waste System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30,						Description	Fiscal Year Ending September 30,						
	2018	2019	2020	2021	2022	2023		2018 Base	2018	2019	2020	2021	2022	2023
Recognized Revenue Adjustments:							System Surplus / (Deficiency)		\$545	(\$99,583)	\$374,478	\$186,360	\$311,081	\$54,144
Solid Waste Collection Revenue Adjustment	0.00%	6.00%	6.00%	6.00%	6.00%	3.00%	Percent of Rate Revenues	0.02%	-2.63%	9.31%	4.36%	6.84%	1.15%	
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Residential Bill:							
Recycling Revenue Adjustment	0.00%	6.00%	6.00%	6.00%	6.00%	3.00%	Solid Waste Collection	\$26.09	\$26.09	\$27.66	\$29.32	\$31.08	\$32.94	\$33.93
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Recycling	3.34	3.34	3.54	3.75	3.98	4.22	4.35
Combined Adjustment	N/A	6.00%	6.00%	6.00%	6.00%	3.00%	Total Solid Waste Bill	\$29.43	\$29.43	\$31.20	\$33.07	\$35.06	\$37.16	\$38.28
Cumulative Adjustment	N/A	6.00%	12.36%	19.10%	26.25%	30.04%	Annual Increase - Total	N/A	\$0.00	\$1.77	\$1.87	\$1.99	\$2.10	\$1.12



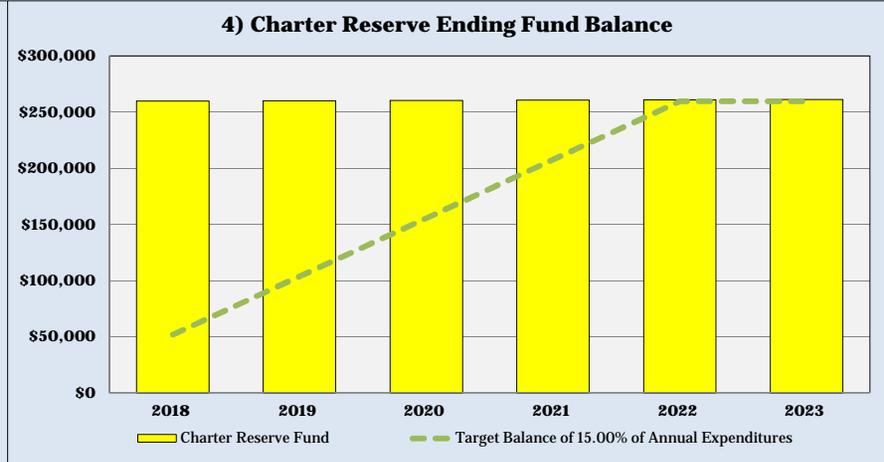
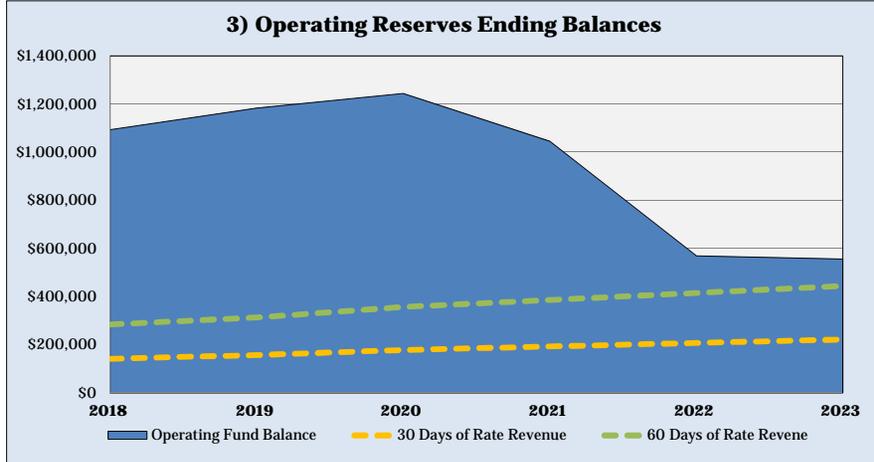
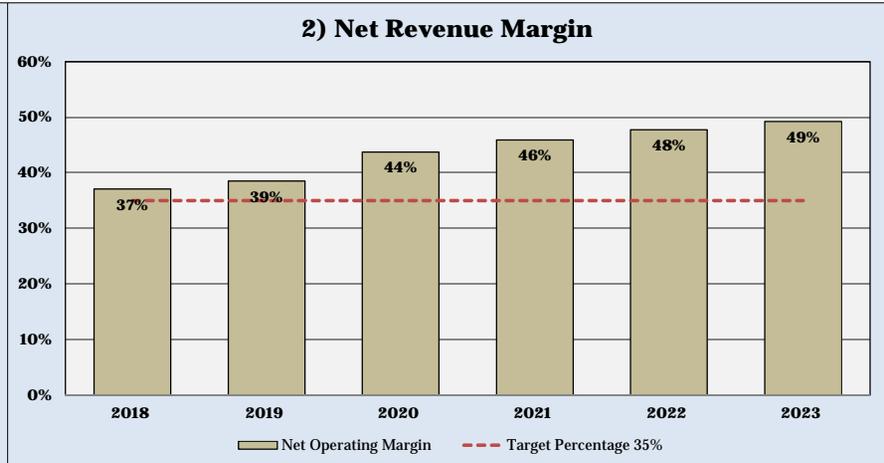
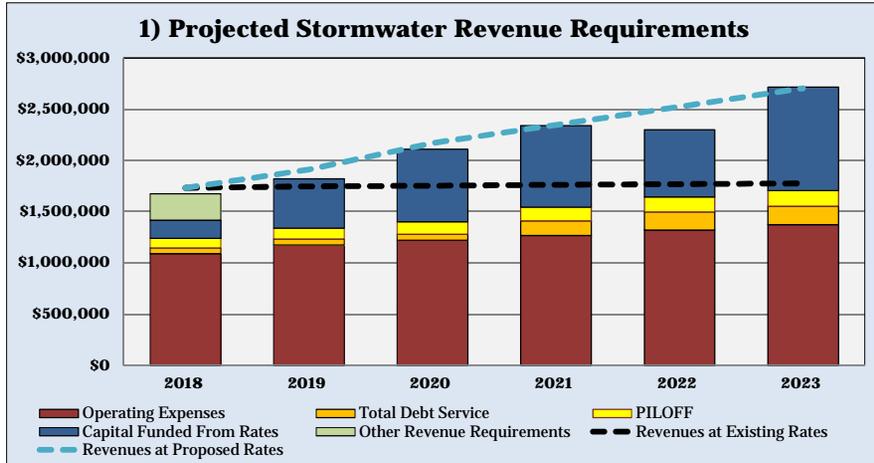


**Appendix 3
City of Edgewater, Florida
Stormwater Utility Rate Study**



Stormwater System Financial Dashboards and Performance Metrics

Description	2018	2019	2020	2021	2022	2023	Description	2018 Base	2018	2019	2020	2021	2022	2023
Recognized Revenue Adjustments:							System Surplus / (Deficiency)							
Stormwater Base Fee	0.00%	10.00%	13.64%	8.00%	7.41%	6.90%	Percent of Rate Revenues	\$56,530	\$90,309	\$60,104	\$7,185	\$223,927	(\$13,443)	
Effective Month of Increase	October	October	October	October	October	October		3.42%	4.95%	2.89%	0.32%	9.18%	-0.51%	
Stormwater Assessment Fee	0.00%	10.00%	13.64%	8.00%	7.41%	6.90%	Average Residential Bill:							
Effective Month of Increase	October	October	October	October	October	October	Stormwater Base Fee	\$5.44	\$5.44	\$5.98	\$6.80	\$7.34	\$7.88	\$8.42
Combined Adjustment	N/A	10.00%	13.64%	8.00%	7.41%	6.90%	Stormwater Assessment Fee	4.56	4.56	5.02	5.70	6.16	6.62	7.08
Cumulative Adjustment	N/A	10.00%	25.00%	35.00%	45.00%	55.00%	Total Stormwater Bill	\$10.00	\$10.00	\$11.00	\$12.50	\$13.50	\$14.50	\$15.50
							Monthly Increase - Total	N/A	\$0.00	\$1.00	\$1.50	\$1.00	\$1.00	\$1.00



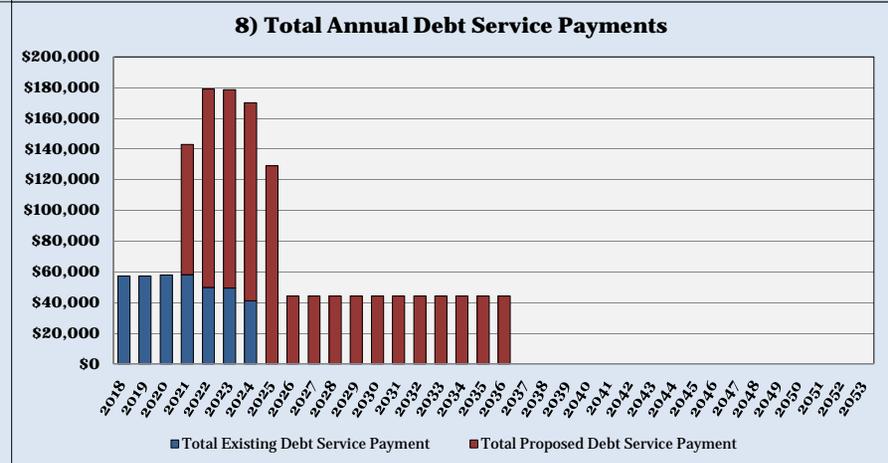
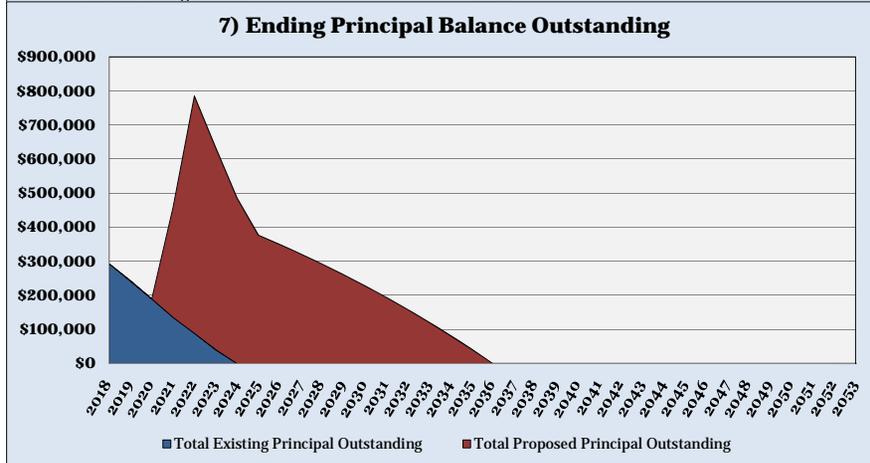
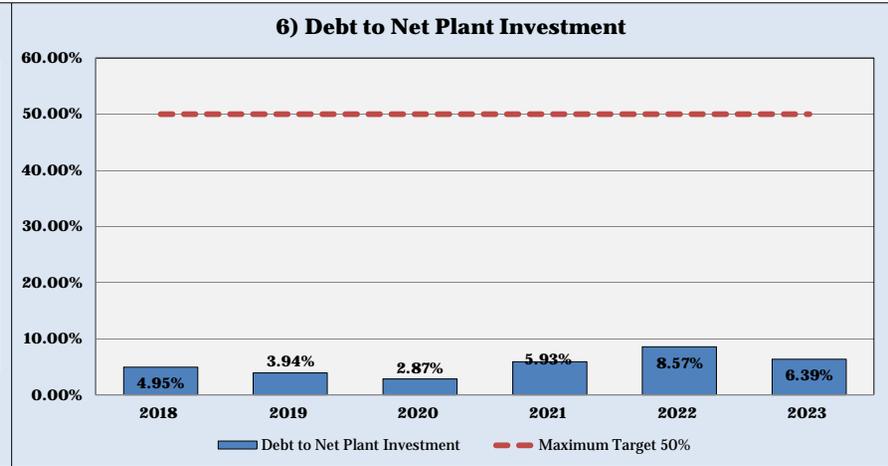
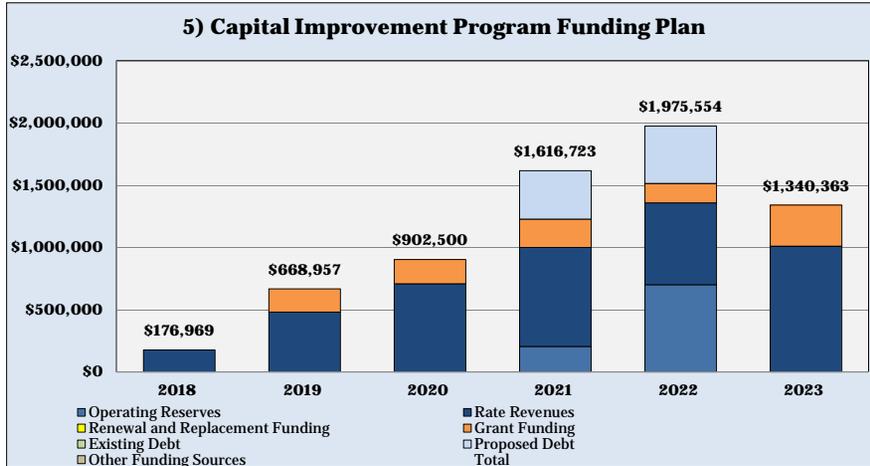


**Appendix 3
City of Edgewater, Florida
Stormwater Utility Rate Study**



Stormwater System Financial Dashboards and Performance Metrics

Description	2018	2019	2020	2021	2022	2023	Description	2018 Base	2018	2019	2020	2021	2022	2023
Recognized Revenue Adjustments:							System Surplus / (Deficiency)							
Stormwater Base Fee	0.00%	10.00%	13.64%	8.00%	7.41%	6.90%	Percent of Rate Revenues	\$56,530	\$90,309	\$60,104	\$7,185	\$223,927	(\$13,443)	
Effective Month of Increase	October	October	October	October	October	October		3.42%	4.95%	2.89%	0.32%	9.18%	-0.51%	
Stormwater Assessment Fee	0.00%	10.00%	13.64%	8.00%	7.41%	6.90%	Average Residential Bill:							
Effective Month of Increase	October	October	October	October	October	October	Stormwater Base Fee	\$5.44	\$5.44	\$5.98	\$6.80	\$7.34	\$7.88	\$8.42
Combined Adjustment	N/A	10.00%	13.64%	8.00%	7.41%	6.90%	Stormwater Assessment Fee	4.56	4.56	5.02	5.70	6.16	6.62	7.08
Cumulative Adjustment	N/A	10.00%	25.00%	35.00%	45.00%	55.00%	Total Stormwater Bill	\$10.00	\$10.00	\$11.00	\$12.50	\$13.50	\$14.50	\$15.50
							Monthly Increase - Total	N/A	\$0.00	\$1.00	\$1.50	\$1.00	\$1.00	\$1.00





Appendix 3 City of Edgewater, Florida Stormwater Utility Rate Study



Stormwater System Financial Dashboards and Performance Metrics

Description	2018	2019	2020	2021	2022	2023	Description	2018 Base	2018	2019	2020	2021	2022	2023
Recognized Revenue Adjustments:							System Surplus / (Deficiency)							
Stormwater Base Fee	0.00%	10.00%	13.64%	8.00%	7.41%	6.90%	Percent of Rate Revenues	\$56,530	\$90,309	\$60,104	\$7,185	\$223,927	(\$13,443)	
Effective Month of Increase	October	October	October	October	October	October		3.42%	4.95%	2.89%	0.32%	9.18%	-0.51%	
Stormwater Assessment Fee	0.00%	10.00%	13.64%	8.00%	7.41%	6.90%	Average Residential Bill:							
Effective Month of Increase	October	October	October	October	October	October	Stormwater Base Fee	\$5.44	\$5.44	\$5.98	\$6.80	\$7.34	\$7.88	\$8.42
Combined Adjustment	N/A	10.00%	13.64%	8.00%	7.41%	6.90%	Stormwater Assessment Fee	4.56	4.56	5.02	5.70	6.16	6.62	7.08
Cumulative Adjustment	N/A	10.00%	25.00%	35.00%	45.00%	55.00%	Total Stormwater Bill	\$10.00	\$10.00	\$11.00	\$12.50	\$13.50	\$14.50	\$15.50
							Monthly Increase - Total	N/A	\$0.00	\$1.00	\$1.50	\$1.00	\$1.00	\$1.00

