

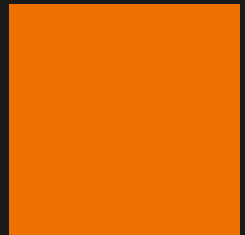


City of New Port Richey, FL

FY 2018 Utility Revenue Sufficiency Analysis Update

Final Report

September 21, 2018





September 21, 2018

Ms. Debbie Manns
City Manager
City of New Port Richey
5919 Main St.
New Port Richey, FL 34652

Re: FY 2018 Utility Revenue
Sufficiency Analysis Update -
Final Report

Dear Ms. Manns,

Stantec is pleased to present this Final Report of the FY 2018 Utility Revenue Sufficiency Analysis Update (Study) that was conducted for the City of New Port Richey, FL (City). We appreciate the professional assistance provided by you and all of the members of City staff who participated in the study.

If you or others at the City have any questions, please do not hesitate to call us at (904) 247-0787 or email me at Michael.Burton@stantec.com. We appreciate the opportunity to be of service to the City, and we look forward to the possibility of doing so again in the near future.

Sincerely,

A handwritten signature in blue ink, appearing to read "Michael Burton".

Michael Burton
Vice President

Enclosure

TABLE OF CONTENTS

- 1. Executive Summary..... 1**
 - 1.1 Introduction 1
 - 1.2 Objectives 1
 - 1.3 Revenue Sufficiency Analysis and Rate Impacts 1
- 2. Revenue Sufficiency Analysis 3**
 - 2.1 Description 3
 - 2.2 Background 4
 - 2.3 Source Data 4
 - 2.3.1 Beginning Fund Balances 4
 - 2.3.2 Revenues 4
 - 2.3.3 Operating Expenditures 5
 - 2.3.4 Debt Service 5
 - 2.3.5 Capital Improvement Program 5
 - 2.4 Assumptions..... 5
 - 2.4.1 Cost Escalation 5
 - 2.4.2 Customer Growth & Volume Forecast 6
 - 2.4.3 Minimum Reserve Policy 6
 - 2.4.4 Future Borrowing & Capital Funding 7
 - 2.4.5 Debt Service and Coverage..... 7
 - 2.5 Conclusions..... 8
 - 2.6 Recommendations 8
 - 2.6.1 Bill Comparison Survey 9
- Appendix A 12**

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

This Executive Summary presents an overview of the results of the FY 2018 Utility Revenue Sufficiency Analysis Update (Study) that was conducted for the water and sewer systems of the City of New Port Richey (hereafter referred to as the “City” or “Utility”) by Stantec Consulting Services.

1.2 OBJECTIVES

The principal objective of the Study is as follows:

Revenue Sufficiency Analysis – Develop a multi-year financial plan for the City’s water and sewer systems that will determine the level of annual revenue required to satisfy projected annual operating, debt service, and capital cost requirements as well as the establishment and maintenance of adequate reserves. The financial plan must support the short and long-term needs of the utilities.

1.3 REVENUE SUFFICIENCY ANALYSIS AND RATE IMPACTS

A Revenue Sufficiency Analysis (RSA) was conducted for the Utility as an update to the 10-year revenue sufficiency analysis conducted in FY 2014 (FY 2014 Study). The RSA evaluated the sufficiency of the revenues of the Utility to meet all of its current and projected financial requirements over a multi-year projection period and determined the level of rate revenue increases necessary in each year of the projection period to provide sufficient revenues to fund all of the Utility’s revenue requirements.

The process included a review of the Utility’s historical and budgeted revenue and expenditure data and assumptions supporting the analysis, as well as the evaluation of several alternative scenarios for the Utility. Through this process, we identified the recommended financial management plans and associated plans of annual rate revenue adjustments required to address the current and projected cost requirements of the Utility. The updated recommended plan is based upon the revenue and expense information, beginning balances, and assumptions as described in Section 2 of this report. Appendix A includes detailed schedules presenting all components of the financial management plan developed for the Water, Sewer, and Reclaimed Water Utility Fund.

The recommended five-year rate revenue adjustment plan for the Utility is presented in Table 1 below. Also included are the projections of a representative residential bill for a household with monthly water consumption averaging 4,000 gallons per month, volumetric billing for sewer service of 4,000 gallons per month, and for reclaimed water service of 15,000 gallons per month.

Table 1

5-Year Rate Plan	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Water Rate Adjustment	4.0%	4.0%	4.0%	4.0%	4.0%
Water Bill (4,000 gals)	\$ 24.73	\$ 25.71	\$ 26.75	\$ 27.81	\$ 28.93
Sewer Rate Adjustment	4.0%	4.0%	4.0%	4.0%	4.0%
Sewer Bill (4,000 gals)	\$ 32.60	\$ 33.89	\$ 35.24	\$ 36.65	\$ 38.12
Reclaimed Water Rate Adjustment	4.0%	4.0%	4.0%	4.0%	4.0%
Reclaimed Water Bill (15,000 gals)	\$ 16.23	\$ 16.88	\$ 17.56	\$ 18.26	\$ 18.99

As can be seen in Table 1 the Utility requires annual 4.0% rate indexing adjustments in order to produce sufficient revenues to meet its ongoing capital, operating, debt service, and reserve requirements over a multi-year projection period. The rate adjustments identified for the Utility are necessary to fund the Utility's revenue requirements, including the capital improvement program planned for FY 2019 – FY 2023, totaling approximately \$9.9 million.

2. REVENUE SUFFICIENCY ANALYSIS

2.1 DESCRIPTION

This section presents the financial management plan and corresponding plan of water, sewer and reclaimed water rate adjustments developed in the revenue sufficiency analysis (RSA). The following sub-sections of the report present a description of the source data, assumptions, and results of the RSA, while Appendix A includes detailed supporting schedules for the Utility financial management plan identified herein.

During the RSA, Stantec reviewed alternative multi-year financial management plans and corresponding water and sewer rate revenue adjustment plans through several interactive work sessions with City staff. During these work sessions, we examined the impact of various inputs or assumptions upon key financial indicators by use of tabular and graphical output and extensive review of inputs, assumptions, and relationships between key variables. In this way, we developed the recommended financial management plan and corresponding plan of annual water and sewer rate revenue adjustments presented in this report that will allow the Utility to fund its cost requirements throughout the projection period and meet its financial performance goals and objectives.

We obtained the City's historical and budgeted financial information regarding the operation of its water and sewer systems, as well as historical customer counts and volume data by class of customer. We also obtained the City's multi-year capital improvement program (CIP), and documented the City's current debt service obligations and covenants, or promises made to lenders, relative to net income coverage requirements, reserves, etc. We also counseled with City staff regarding other assumptions and policies that would affect the financial performance of the Utility, such as trends in demands, planned developments/customer growth, debt coverage levels, levels of reserves, capital funding sources, earnings on invested funds, escalation rates for operating costs, and others.

All of this information was entered into the financial module of our Financial Analysis and Management System (FAMS-XL©) interactive modeling system. This module of FAMS-XL© produced a 10-year projection of the sufficiency of the revenue provided by the current rates of the system to meet current and projected financial requirements, and determined the level of rate revenue increases necessary in each year of the projection period to satisfy the system's annual financial requirements.

The revenue sufficiency and financial planning module of FAMS-XL© utilizes all projected available funds in each year of the projection period to pay for capital projects. The model is set up to reflect the rules of cash application as defined and applied by City staff, and it produces a detailed summary of the funding sources to be used for each project in the CIP. To the extent that current revenues and unrestricted reserves are not adequate to fund all capital projects in any year of the projection period, the model identifies a borrowing requirement to fund those projects, or portions thereof that are determined to be eligible for borrowing. In this way the FAMS-XL© model is used to develop a borrowing program that includes the required borrowing amount by year and the resultant annual debt service requirements for each year in the projection period.

2.2 BACKGROUND

In FY 2014, the City initially retained the services of Burton & Associates (now Stantec) to conduct a comprehensive rate study that included an evaluation of the adequacy of the revenue provided by the Utility's then current rates and charges to meet its financial requirements over a five-year planning period and ten-year projection period. The study also identified plans of annual water, sewer, and reclaimed water rate revenue adjustments necessary to satisfy such requirements. As part of its ongoing financial management plan, the City has retained the services of Stantec on an annual basis to update the water, sewer, and reclaimed water ten-year revenue sufficiency analyses, and to identify whether any modifications were necessary to the approved plan of annual rate revenue adjustments.

The FY 2014 Study concluded that a plan of annual 4.00% water, sewer, and reclaimed water rate adjustments would be sufficient to fund all of the Utility's financial requirements through FY 2024.

As part of the annual financial management of the Utility, the City has again retained the services of Stantec to review and potentially adjust the plan of annual rate revenue adjustments for FY 2019 and subsequent years based upon an update of the FY 2014 Study.

2.3 SOURCE DATA

The following presents the key source data relied upon in conducting the RSA:

2.3.1 Beginning Fund Balances

City staff provided a trial balance worksheet used to establish the beginning FY 2018 fund balances for the Utility as of September 30, 2017. Any funds reserved or encumbered for specific capital projects were included in the beginning fund balances, while the associated capital project costs were included in the CIP.

2.3.2 Revenues

The revenues utilized in the RSA reflect an evaluation of historical results, the FY 2018 Amended Budget, and the FY 2019 Proposed Budget. The Utility's revenues consist of rate revenue, impact fees, tap charges, interest income, and other minor revenue from miscellaneous service charges.

Rate revenue is based upon the FY 2018 Amended Budget, then adjusted annually beginning in FY 2019 to reflect assumed rate adjustments, customer growth and changes in demand. Projections of all other revenues are based upon the amounts within the FY 2018 Amended Budget and the FY 2019 Proposed Budget excluding interest income (which was calculated annually based upon projected average fund balances and assumed interest rates), and revenue from impact fees (which is calculated based on the assumed growth in new accounts and projected fees). It should be noted that per City staff direction, a portion of sewer impact fees generated from the Lindrick System expire in FY 2024, reducing the annual impact fee revenues by an estimated \$194,040.

2.3.3 Operating Expenditures

The FY 2018 revenue requirements were based upon the FY 2018 Amended Budget and the FY 2019 Proposed Budget and include all operations and maintenance (O&M) expenses, debt service requirements, transfers out, and minor capital outlay requirements. Each year thereafter, O&M expenses and minor capital outlays were projected based upon the FY 2019 Budget, adjusted by assumed cost escalation factors for individual expense categories and annual spending assumptions. Based upon a review of historical execution of actual costs vs. budgeted costs, we have applied a 97% budget execution rate to Personnel costs, and 94% execution to operations and maintenance costs. The cost escalation factors and spending assumptions are reflected in detail in Appendix A of this report.

2.3.4 Debt Service

The annual repayments for all outstanding shared debt for the Utility were based upon the specific amortization schedules for each outstanding issuance, as provided by City staff. Any additional borrowing identified by the model during the projection period is calculated based on the assumed debt service terms included herein.

2.3.5 Capital Improvement Program

City staff provided the 5-year Capital Improvement Program (CIP) in project-level detail from FY 2019 through FY 2023. Beginning in FY 2020, the RSA includes an annual cost inflation factor of 2.7%, (based upon recent increases observed in the Engineering News Record - Construction Cost Index), to account for the inflation in the future cost of construction. Beginning in FY 2024, an average annual spending of \$2.5 million is used to project the Utility's capital spending throughout the remainder of the projection period.

In total, the CIP (including inflation) from FY 2019 – FY 2028 is approximately \$30.9 million for the Utility. A list of projects and costs by year for the Utility is included in Appendix A of this report.

2.4 ASSUMPTIONS

The following presents the key assumptions utilized in the RSA.

2.4.1 Cost Escalation

Annual cost escalation factors for the various types of operating expenses were developed based upon a review of historical trends, our industry experience, and detailed discussions with City staff. The specific escalation factors assumed for the various categories of expenses for the Utility can be seen in Appendix A of this report.

Interest Income throughout the projection period is calculated annually based upon projected average fund balances and assumed interest rates. The assumed interest rates are 0.75% in FY 2018, 1.00% in FY 2019, 1.25% in FY 2020, 1.50% in FY 2021, 1.75% in FY 2022, and 2.00% in FY 2023 through FY 2028.

2.4.2 Customer Growth & Volume Forecast

New connection and water/sewer sales growth projections were based upon a review of multiple years of historical data and discussions with City staff with regards to the expected number of new service connections to the Utility. The customer growth projections of the water system are 0.75% throughout the projection period. The growth projections of the sewer system are 1.75% throughout the projection period. Customer accounts in the reclaimed water system are held flat throughout the projection period. Customer growth for the reclaimed water system is expected to remain flat over the projection period.

It is important to note that the Study reflects recently observed overall industry trends of reduced water use per account for purposes of projecting the volume-based portion of water and sewer revenue. The Study reflects account growth of 0.75% while system usage growth is projected to remain static over the same period.

2.4.3 Minimum Reserve Policy

The minimum target balance for unrestricted reserves assumed for the Utility is currently equal to 3 months of annual O&M expenses. As part of this study, the City has requested an escalation of reserve balance targets from 3 months to 6 months by FY 2021. As such, our analysis begins with a 3-month reserve target in FY 2018 and 2019, escalating to 5 months for FY 2020, and then 6 months for FY 2021 and beyond.

Absent a detailed multi-year historical study of monthly cash flows and an analysis of the aging of accounts receivable, there are various industry guidelines and practices available to determine an appropriate target reserve. Per an analysis conducted by the Rates and Charges Committee of the American Water Works Association (AWWA), a prudent level of minimum unrestricted reserves is an amount equal to at least 2 months of operations and maintenance expenses. This is also consistent with our industry experience, in which water utilities generally target minimum reserves in the range of 2 to 6 months of O&M expenses.

2.4.4 Orangewood Utility Purchase Assumptions

As part of the FY 2019 budget, the Utility is anticipating the purchase of an entity titled the Orangewood Utility. The analysis contained herein assumes the purchase of the utility, as well as all revenue, operating and capital impacts. The purchase price of Orangewood Utility as shown in the CIP is expected to be \$950,000. The CIP also contains costs related to system improvements, and these costs are optimized for funding utilizing the FAMS funding analysis.

City staff provided estimates for revenues and operating expenses associated with the utility purchase. The estimate includes \$408,726 of total rate revenue, which we allocate between water and sewer based upon the existing rate revenue allocation of the Utility. These revenues are assumed to impact the utility in FY 2019, and escalate with rate revenue growth based upon rate increases in each year. City staff have also provided an estimate of \$92,755 of operating costs associated with the Orangewood Utility purchase, beginning in FY 2019. These costs escalate annually by a rate of 3.2% as provided by City staff.

2.4.5 Future Borrowing & Capital Funding

It is anticipated that the Utility will need to issue new debt during the projection period to assist in the funding of the CIP. This analysis assumed that revenue bonds would be utilized with 30-year terms at an interest rate equal to 3.25% in FY 2018, 3.25% in FY 2019, 3.50% in FY 2020, 3.75% in FY 2021 (continually increasing by 0.25% in FY 2022 and each year thereafter). Bond proceeds are anticipated to be needed in FY 2021 and FY 2023. This analysis assumed that the Utility would need to acquire additional funding of \$7.8 million over the 10-year projection period to fund the projects identified in the capital improvement program. Appendix A presents a summary of the capital funding plan including sources and uses by year for major capital projects.

2.4.6 Debt Service and Coverage

One of the most important covenants the City makes relative to the issuance of debt is that its annual net revenues (revenues less operating expenses) will be at least 1.1 times greater than its senior lien debt service requirements. It is important to note that these revenue covenants (often referred to as debt service coverage requirements) represent the City's minimum requirements established in the City's bond covenants. Should the City be unable to meet these requirements, it could be found in technical default. This would result in the City facing a potential downgrade in its credit rating, which would affect the interest rate and terms of any future financing initiatives. As a policy decision, utilities often measure revenue sufficiency and set rates based upon a higher debt service coverage level so as to ensure compliance with these type of covenants in the event future projections of revenue and expenses do not occur as predicted (due to extended drought conditions, unanticipated capital requirements or operating cost increases, natural disasters, etc.). For purposes of our analysis we have assumed that that City will maintain debt service coverage of at least 1.5. This level of debt coverage is typical within the utility industry and will help to ensure water and sewer revenues are kept at a level that satisfy the City's bond covenants.

2.5 CONCLUSIONS

As previously stated, the primary objective of the Study was to update the FY 2014 Study and verify, or adjust as necessary, the plan of 4.00% annual water, sewer, and reclaimed water rate adjustments. Upon updating the RSA with the data and assumptions detailed in this report, the 4.00% annual adjustments to water, sewer, and reclaimed water rates were found to be sufficient to fund all of the Utility's operating and capital requirements while maintaining adequate debt service coverage and working capital reserves throughout the projection period.

However, it should be noted that beginning in FY 2019, the Utility will require a build up of fund balance to meet its minimum 3-month O&M reserve target. Our projection shows, that with 4.00% annual rate adjustments, available fund balance at the end of FY 2018 is expected to be 1.8 months, escalating to 3.0 months by the end of FY 2019, and 5 months by the end of FY 2020. By FY 2021, we show the ultimate goal of a 6 month reserve target being met, and held above that level for the remainder of the projection period.

As part of the study, we have assumed funding of the Orangewood Utility purchase and improvements with available cash and new borrowing optimized in our FAMS model funding analysis. In order to meet the operating balance requirements stated above, our analysis shows the need to fund a portion of the CIP through borrowing beginning in FY 2019, with a subsequent borrowing bundled every two years in FY 2021.

This Study concludes that 4.00% annual adjustments in water, sewer, and reclaimed water rate revenue will generate sufficient revenue for the Utility to satisfy its operating and capital requirements, while maintaining strong debt service coverage and operating reserve levels. Consequently, we recommend continuing the current 4.00% annual adjustment plan beginning in FY 2019 and continuing throughout the projection period.

It is important to note that the 10-year average annual change in the US CPI – Water & Sewerage Maintenance Series has been approximately 5.6%, which is in excess of the identified plan of annual water, sewer, and reclaimed water rate revenue adjustments. The US CPI – Water & Sewerage Maintenance Series is a specific item category of the more than 200 item categories that make up the Consumer Price Index (CPI) structure and is of particular relevance to water and sewer utilities as it serves as a measure of the true change in the cost of water and sewer service to urban consumers.

2.6 RECOMMENDATIONS

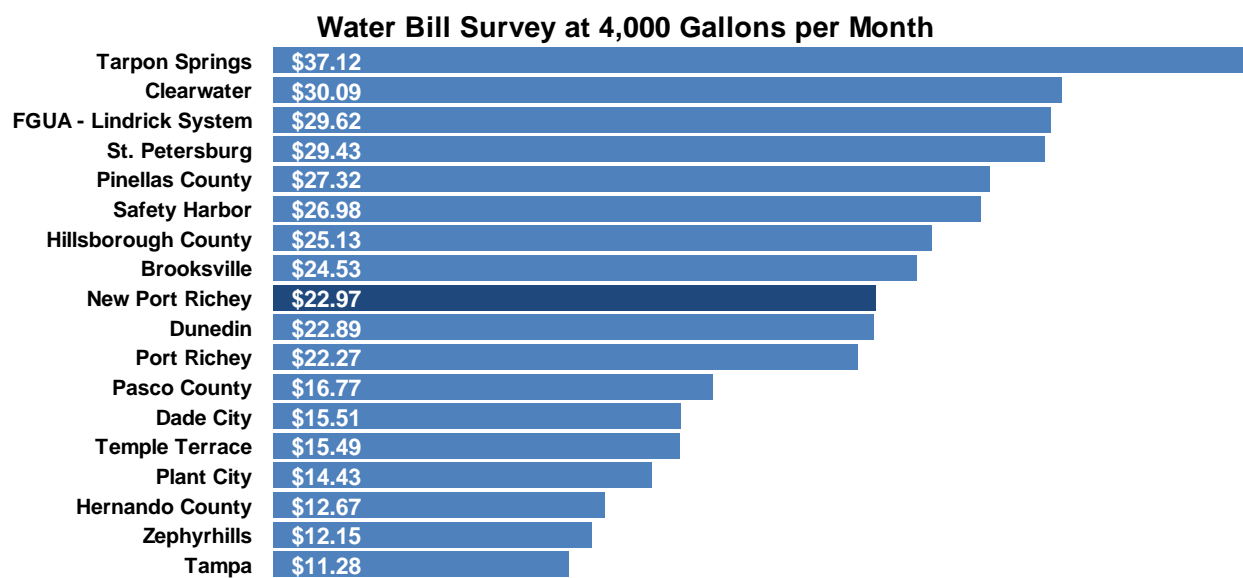
Based upon the analysis presented herein and the results presented in the prior section, we have reached the following recommendations:

- The approved plan of 4.00% annual water, sewer, and reclaimed water rate adjustments is not sufficient to meet the Utility's ongoing operating expenditure requirements, to fund renewal and replacement of its infrastructure, and to meet stated reserve and debt service coverage targets/parameters.

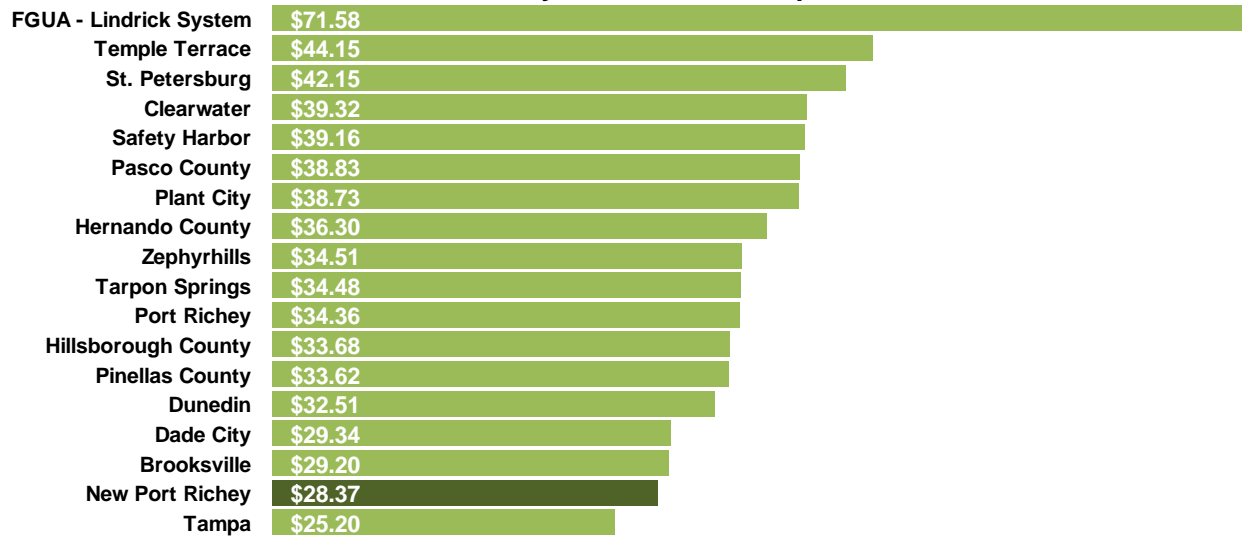
- Based upon the analysis presented herein, we recommend that the City implement a plan of 4.00% water, sewer, and reclaimed water rate revenue increases, effective October 1, 2018, and annually on October 1 throughout the rest of the projection period, through FY 2028.
- Consistent with the direction provided by the City Council, the City should continue to update and review this analysis on an annual basis to evaluate the adequacy of its revenues and plan of annual water, sewer, and reclaimed water rate increases. Doing so will allow for the incorporation of updated revenue and expense information (including capital improvement requirements) as well as changes in economic conditions, water consumption, regulatory requirements, and other factors so that any necessary adjustments can be made to the financial management plan presented herein. This will allow the Utility to meet its financial and operating requirements during the projection period and minimize rate impacts to customers due to future events occurring differently than currently projected.

2.6.1 Bill Comparison Survey

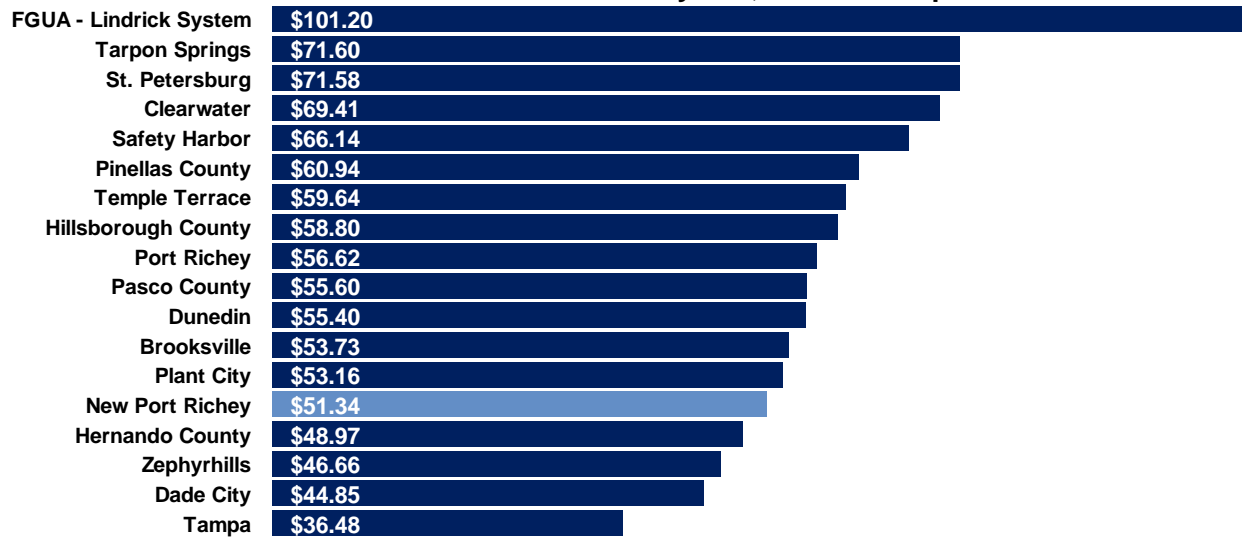
To provide perspective on how the calculated water and sewer bills for the City of New Port Richey compare with neighboring communities, a bill comparison survey was developed. The graphs on the following page show a comparison of the City's residential monthly bill with those of neighboring utilities.



Sewer Bill Survey at 4,000 Gallons per Month



Combined Water & Sewer Bill Survey at 4,000 Gallons per Month



It is important to note that while bill comparisons can be informative, there are a number of factors that determine water and sewer rates within a community. Factors such as level of system reinvestment, support from the general fund or other sources and rate structure will all have a significant influence on the bills and must be taken into account. Therefore, bill comparisons should be taken as one data point for consideration, but the needs of each community are unique and the rates may be based on different variables.

Disclaimer

This document was produced by Stantec Consulting Services, Inc. (“Stantec”) for City of New Port Richey and is based on a specific scope agreed upon by both parties. In preparing this report, Stantec utilized information and data obtained from City of New Port Richey or public and/or industry sources. Stantec has relied on the information and data without independent verification, except only to the extent such verification is expressly described in this document. Any projections of future conditions presented in the document are not intended as predictions, as there may be differences between forecasted and actual results, and those differences may be material.

Additionally, the purpose of this document is to summarize Stantec’s analysis and findings related to this project, and it is not intended to address all aspects that may surround the subject area. Therefore, this document may have limitations, assumptions, or reliances on data that are not readily apparent on the face of it. Moreover, the reader should understand that Stantec was called on to provide judgments on a variety of critical factors which are incapable of precise measurement. As such, the use of this document and its findings by City of New Port Richey should only occur after consultation with Stantec, and any use of this document and findings by any other person is done so entirely at their own risk.

APPENDIX A

- Schedule 1 Assumptions
- Schedule 2 Beginning Balances
- Schedule 3 Capital Improvement Program
- Schedule 4 Cash In
- Schedule 5 Cash Out
- Schedule 6 Cost Escalation Factors
- Schedule 7 FAMS Control Panel
- Schedule 8 Forecast of Net Revenues and Debt Service Coverage
- Schedule 9 Capital Projects Funding Summary
- Schedule 10 Long-Term Borrowing Projections
- Schedule 11 Funding Summary by Fund

Schedule 1 - Assumptions

FY 2018 Water & Sewer Revenue Sufficiency Analysis

	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>
<u>Annual Revenue Growth - Water:</u>											
Number of Billed ERUs	10,526	10,605	10,685	10,765	10,846	10,927	11,009	11,092	11,175	11,259	11,343
Projected Growth in New Service ERUs	78	79	80	80	81	81	82	83	83	84	84
Percent Increase in Billed ERUs		0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%
Percent Increase in Use		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Percent of Accounts Paying Capital Charges		50.00%	50.00%	55.00%	65.00%	75.00%	75.00%	75.00%	75.00%	75.00%	75.00%
<u>Annual Revenue Growth - Sewer:</u>											
Number of Billed ERUs	8,344	8,490	8,638	8,789	8,943	9,100	9,259	9,421	9,586	9,753	9,924
Projected Growth in New Service ERUs	144	146	149	151	154	157	159	162	165	168	171
Percent Increase in Billed ERUs		1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%
Percent Increase in Use		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Percent of Accounts Paying Capital Charges		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
<u>Annual Revenue Growth - Reclaimed:</u>											
Number of Billed Accounts	300	300	300	300	300	300	300	300	300	300	300
Projected Growth in New Service ERUs	0	0	0	0	0	0	0	0	0	0	0
Percent Increase in Billed ERUs		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Percent Increase in Use		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<u>Average Annual Interest Earnings Rate:</u>											
Water & Sewer Enterprise Fund	0.75%	1.00%	1.25%	1.50%	1.75%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
<u>Annual Spending Execution Rate:</u>											
Percent of Personal Services	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%
Percent of Variable Operating Expenses	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Percent of Fixed Operating Expenses	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%
Percent of Capital Outlay Expenses	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Percent of CIP Budget	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
<u>Operating Cost Escalation Factors:</u>											
Weighted Average Annual Cost Escalation	N/A	1.23%	1.96%	2.29%	2.94%	2.09%	2.48%	2.83%	2.12%	2.49%	2.84%
<u>CIP Budget Annual Cost Inflation:</u>											
Compounded Annual Cost Escalation	0.00%	0.00%	2.65%	5.38%	8.17%	11.04%	13.99%	17.02%	20.12%	23.31%	26.58%
<u>Operating Fund Reserve Target:</u>											
Number of Months of Annual Operating Expense	3	3	5	6	6	6	6	6	6	6	6

Schedule 2 - Beginning Balances

FY 2018 Water & Sewer Revenue Sufficiency Analysis

FUND BALANCES

FUND BALANCE DETAIL	Revenue Fund	Renewal & Replacement	Restricted Reserves	Assessment Fund	Capital Fund
GROUPING OF FUNDS IN MODEL					
Cash and Cash Equivalents	\$ (385,455)	(510,082)	1,902,366	167,999	805,646
Accounts Receivable	2,121,842	-	-	46,477	-
Due From Other Governments	668,467	-	-	-	-
Inventory	399,590	-	-	-	-
Investments	1,043,803	2,146,513	16	43,484	-
Customer Deposits	1,092,274	-	-	-	-
Prepaid Expenses	-	-	-	-	-
TOTAL ASSETS	\$ 4,940,522	1,636,432	1,902,382	257,960	805,646
Less: Accounts Payable	\$ (342,211)	-	-	-	(165,019)
Less: Accrued Liabilities	(413,075)	-	-	-	-
Less: Due to other governments	-	-	-	-	-
Less: Due to other funds	-	-	-	-	-
Less: Customer Deposits	(1,116,700)	-	-	-	26
Less: Deferred Revenue	-	-	-	-	-
Less: Bonds Payable	-	-	-	-	-
Less: Net Pension Liability (Current Portion)	(1,939,454)	-	-	-	-
Less: Compensated Absences	(40,539)	-	-	-	-
Less: Inventory	-	-	-	-	-
CALCULATED FUND BALANCE (ASSETS - LIABILITIES)	\$ 1,088,543	1,636,432	1,902,382	257,960	640,653
Plus/(Less):	-	-	-	-	-
NET AVAILBLE FUND BALANCES	\$ 1,088,543	1,636,432	1,902,382	257,960	640,653
TOTAL AVAILABLE FUNDS	\$ 5,525,970				

Schedule 3 - Capital Improvement Program

FY 2018 Water & Sewer Revenue Sufficiency Analysis

PROJECT DESCRIPTION	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Building Improvements											
Fleet Purchasing Warehouse - Material and Equipment Storage Improvements (Needs Assessment)	\$ -	102,000	-	-	-	-	-	-	-	-	-
Fleet Purchasing Warehouse - Material and Equipment Storage Improvements (Construction)	\$ -	-	500,000	-	-	-	-	-	-	-	-
City Facility Irrigation Expansion (Reclaimed Distribution)											
Misc. Right of Way and Facility Irrigation Expansion	\$ -	25,000	25,000	-	-	-	-	-	-	-	-
Grey Preserve Reclaimed Expansion (Engineering)	\$ -	-	30,000	-	-	-	-	-	-	-	-
Grey Preserve Reclaimed Expansion (Construction)	\$ -	-	-	300,000	-	-	-	-	-	-	-
Utility Purchase											
Orangewood Lakes Utility Acquisition	\$ -	950,000	-	-	-	-	-	-	-	-	-
Orangewood Lakes Utility Acquisition - WWTP Annual Lease	\$ -	36,000	-	-	-	-	-	-	-	-	-
Potable & Reclaimed Water Extensions											
Potable & Reclaimed Water System Extensions Misc. (Engineering)	\$ -	30,000	30,000	30,000	30,000	30,000	-	-	-	-	-
Potable & Reclaimed Water System Extensions Misc. (Construction)	\$ -	200,000	300,000	300,000	300,000	300,000	-	-	-	-	-
Bulk Meter Backflow Prevention Upgrades	\$ -	50,000	50,000	50,000	50,000	50,000	-	-	-	-	-
2019 Orangewood Lakes Water System Improvements (Engineering)	\$ -	-	55,000	-	-	-	-	-	-	-	-
2019 Orangewood Lakes Water System Improvements (Construction)	\$ -	-	550,000	-	-	-	-	-	-	-	-
Potable & Reclaimed Water System Improvements											
Potable & Reclaimed Water System Improvements - Misc Projects (Engineering)	\$ -	30,000	30,000	30,000	30,000	30,000	-	-	-	-	-
Potable & Reclaimed Water System Improvements - Misc Projects (Construction)	\$ -	300,000	300,000	300,000	300,000	300,000	-	-	-	-	-
2020/2021 Water Utility System Improvements (Engineering)	\$ -	-	70,000	-	-	-	-	-	-	-	-
2020/2021 Water Utility System Improvements (Construction)	\$ -	-	-	750,000	-	-	-	-	-	-	-
2021/2022 Water Utility System Improvements (Engineering)	\$ -	-	-	-	70,000	-	-	-	-	-	-
2021/2022 Water Utility System Improvements (Construction)	\$ -	-	-	-	-	750,000	-	-	-	-	-
Rehabilitation Programs											
Sewer Main & Manhole Rehabilitation/Lining Project (Annual Program)	\$ -	200,000	300,000	300,000	300,000	300,000	-	-	-	-	-
AMI Upgrades											
AMI Upgrades	\$ -	250,000	-	-	-	-	-	-	-	-	-
Sewer Improvements											
2015/2016 Sewer Utility System Improvements (Engineering)	\$ -	30,000	-	-	-	-	-	-	-	-	-
2015/2016 Sewer Utility System Improvements (Construction)	\$ -	1,150,000	-	-	-	-	-	-	-	-	-
2018/2019 Sewer Utility System Improvements (Engineering)	\$ -	100,000	-	-	-	-	-	-	-	-	-
2018/2019 Sewer Utility System Improvements (Construction)	\$ -	-	1,150,000	-	-	-	-	-	-	-	-
2020/2021 Sewer Utility System Improvements (Engineering)	\$ -	-	-	100,000	-	-	-	-	-	-	-
2020/2021 Sewer Utility System Improvements (Construction)	\$ -	-	-	-	1,150,000	-	-	-	-	-	-
2022/2023 Sewer Utility System Improvements (Construction)	\$ -	-	-	-	-	100,000	-	-	-	-	-
Sewer System Extensions											
Sewer System Extensions - Misc Projects (Engineering)	\$ -	30,000	30,000	30,000	30,000	30,000	-	-	-	-	-
Sewer System Extensions - Misc Projects (Construction)	\$ -	200,000	300,000	300,000	300,000	300,000	-	-	-	-	-
2018 Orangewood Lakes Force-Main Interconnect Project (Engineering)	\$ -	62,000	-	-	-	-	-	-	-	-	-
2018 Orangewood Lakes Force-Main Interconnect Project (Construction)	\$ -	620,000	-	-	-	-	-	-	-	-	-
Unspecified Future Capital											
	\$ -	-	-	-	-	-	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000
FY18 Capital Spending											
Capital Fund	\$ -	-	-	-	-	-	-	-	-	-	-
Construction Fund	\$ -	-	-	-	-	-	-	-	-	-	-
R&R Fund	\$ 1,305,000	-	-	-	-	-	-	-	-	-	-
Capital Outlay	\$ -	-	-	-	-	-	-	-	-	-	-
Total CIP Budget (in FY 2016 dollars)	\$ 1,305,000	4,365,000	3,720,000	2,490,000	2,560,000	2,190,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000
Compounded Annual Cost Escalation	0.0%	0.0%	2.7%	5.4%	8.2%	11.0%	14.0%	17.0%	20.1%	23.3%	26.6%
Annual Capital Spending Execution Percentage (not applied to Orangewood Utility Purchase)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Final CIP Funding Level	\$ 1,305,000	4,365,000	3,818,712	2,623,899	2,675,249	2,420,823	2,849,769	2,925,388	3,003,015	3,082,701	3,164,501

Schedule 4 - Cash In

FY 2018 Water & Sewer Revenue Sufficiency Analysis

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Rate Revenue Growth Assumptions											
Growth in Water ERUs	N/A	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%
Growth in Water Usage	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Growth in Sewer ERUs	N/A	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%
Growth in Sewer Usage	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Growth in Reclaimed ERUs	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Growth in Reclaimed Usage	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Assumed Rate Revenue Adjustments											
Assumed Rate Adjustment	N/A	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Water Rate Revenue											
Base Facility Charges	\$ 3,326,784	3,618,112	3,791,057	3,972,270	4,162,144	4,361,095	4,569,555	4,787,980	5,016,845	5,256,650	5,507,918
Usage Charges	2,567,856	2,758,775	2,869,126	2,983,891	3,103,247	3,227,377	3,356,472	3,490,731	3,630,360	3,775,574	3,926,597
Sewer Rate Revenue											
Base Facility Charges	\$ 2,983,294	3,279,659	3,470,535	3,672,521	3,886,261	4,112,442	4,351,786	4,605,060	4,873,074	5,156,687	5,456,806
Usage Charges	2,160,316	2,328,554	2,421,696	2,518,564	2,619,307	2,724,079	2,833,042	2,946,364	3,064,218	3,186,787	3,314,258
Reclaimed Rate Revenue											
	\$ 243,830	253,583	263,727	274,276	285,247	296,656	308,523	320,864	333,698	347,046	360,928
Total Rate Revenue	\$ 11,282,080	12,238,683	12,816,141	13,421,521	14,056,206	14,721,648	15,419,377	16,150,998	16,918,196	17,722,745	18,566,508
Other Operating Revenue											
Sewer Permits	\$ 400	400	407	414	421	429	436	444	452	460	468
Water Sales - Lindrick	36,400	40,000	36,000	32,400	29,160	26,244	23,620	21,258	19,132	17,219	15,497
Bulk Water Port Richey	271,500	120,000	108,000	97,200	87,480	78,732	70,859	63,773	57,396	51,656	46,490
Sewer Bulk Port Richey	420,680	410,000	369,000	332,100	298,890	269,001	242,101	217,891	196,102	176,492	158,842
Sewer Bulk Lindrick	818,270	780,000	702,000	631,800	568,620	511,758	460,582	414,524	373,072	335,764	302,188
Water connect Fees- Meter	10,000	10,000	10,075	10,151	10,227	10,303	10,381	10,459	10,537	10,616	10,696
Reclaimed Water Con Fees Meter	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750
Meter Turn On and Off Fee	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Sprinkler Charge	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Other Miscellaneous Rev.	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
County SHR Plant Oper	910,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000	870,000
CO Share Reclaimed Water	280,000	255,000	255,000	255,000	255,000	255,000	255,000	255,000	255,000	255,000	255,000
Total Other Operating Revenue	\$ 2,834,000	2,572,150	2,437,232	2,315,815	2,206,548	2,108,217	2,019,728	1,940,098	1,868,439	1,803,956	1,745,931
Non Operating Revenue											
SWFWMD Grant-Rebate Program	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
Surplus Furn Fix Eq Sales	15,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Insurance Proceeds	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Refund of Prior Year EXP	500	500	500	500	500	500	500	500	500	500	500
Late Payment Penalties	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Returned Check Charge	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500
Interest Note Receivables	410,000	410,000	410,000	410,000	410,000	410,000	410,000	410,000	410,000	410,000	410,000
Total Non Operating Revenue	\$ 683,000	678,000	678,000	678,000	678,000	678,000	678,000	678,000	678,000	678,000	678,000
Transfers In											
Transfers In	\$ -	-	-	-	-	-	-	-	-	-	-
Total Transfers In	\$ -	-	-	-	-	-	-	-	-	-	-
Interest Earnings Revenue	\$ 44,131	58,115	79,963	120,292	152,506	183,333	194,543	204,483	219,819	241,773	270,186
Capital Project Funding Sources											
Water Impact Fees	\$ 45,000	\$ 45,711	\$ 46,054	\$ 51,039	\$ 60,771	\$ 70,646	\$ 71,176	\$ 71,710	\$ 72,248	\$ 72,790	\$ 73,336
Sewer Impact Fees	(1) 333,280	330,277	336,057	341,938	347,922	354,011	166,166	172,470	178,884	185,410	192,050
Total Capital Project Funding Sources	\$ 378,280	375,988	382,111	392,977	408,693	424,657	237,342	244,180	251,131	258,199	265,386
Total Cash Inflows	\$ 15,221,491	15,922,936	16,393,448	16,928,605	17,501,953	18,115,856	18,548,991	19,217,758	19,935,586	20,704,673	21,526,011

(1) - Sewer Impact Fees are reduced in FY 2022 to account for the loss of Sewer Impact Fees from the Lindrick System, per staff estimated at \$16,170 monthly impact fees.

Schedule 5 - Cash Out

FY 2018 Water & Sewer Revenue Sufficiency Analysis

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Dept/Div 0105 - Water Production											
Personal Services											
Division Head Salaries	\$ 57,620	\$ 55,120	\$ 56,774	\$ 58,477	\$ 60,231	\$ 62,038	\$ 63,899	\$ 65,816	\$ 67,791	\$ 69,824	\$ 71,919
Reg. Sal. and Wages	162,600	170,810	174,226	177,711	183,042	188,533	194,189	200,015	206,015	212,196	218,562
Overtime	5,870	6,160	6,283	6,409	6,601	6,799	7,003	7,213	7,430	7,653	7,882
Employee Appreciation Incentive	250	250	258	265	273	281	290	299	307	317	326
Stand By Time	15,790	17,730	18,262	18,810	19,374	19,955	20,554	21,171	21,806	22,460	23,134
Social Security Matching	18,520	19,130	19,704	20,295	20,904	21,531	22,177	22,842	23,527	24,233	24,960
Florida Retirement System	24,870	19,540	20,126	20,730	21,352	21,992	22,652	23,332	24,032	24,753	25,495
Group Health Insurance	39,560	39,560	43,516	46,997	49,347	51,815	54,405	57,125	59,982	62,981	66,130
Group Life Insurance	270	270	276	283	289	296	303	309	317	324	331
Accidental Death - AD & D	110	110	113	117	120	124	128	131	135	139	144
W/C Waterworks Operations	10,220	10,560	10,877	11,203	11,539	11,885	12,242	12,609	12,987	13,377	13,778
Subtotal:	\$ 335,680	339,240	350,415	361,296	373,073	385,250	397,842	410,863	424,329	438,256	452,662
Operating Expenses											
Engineering Svs. Misc.	\$ 10,000	\$ 10,000	\$ 10,230	\$ 10,465	\$ 10,706	\$ 10,952	\$ 11,204	\$ 11,462	\$ 11,725	\$ 11,995	\$ 12,271
Pest Control Services	440	440	450	460	471	482	493	504	516	528	540
Lab Test	5,350	5,350	5,473	5,599	5,728	5,859	5,994	6,132	6,273	6,417	6,565
Security Services	4,510	4,510	4,614	4,720	4,828	4,939	5,053	5,169	5,288	5,410	5,534
Contractual Svcs Misc.	20,000	20,000	20,460	20,931	21,412	21,904	22,408	22,924	23,451	23,990	24,542
Travel and Training	1,470	1,470	1,504	1,538	1,574	1,610	1,647	1,685	1,724	1,763	1,804
Telephone- Local	5,380	5,380	5,504	5,630	5,760	5,892	6,028	6,166	6,308	6,453	6,602
Data Lines	7,400	7,400	7,570	7,744	7,922	8,105	8,291	8,482	8,677	8,876	9,081
Pager Services	160	160	164	167	171	175	179	183	188	192	196
Postage	4,000	4,000	4,092	4,186	4,282	4,381	4,482	4,585	4,690	4,798	4,908
Freight Express Charges	30	30	31	31	32	33	34	34	35	36	37
Electric - City Facilities	124,290	124,290	127,149	130,073	133,065	136,125	139,256	142,459	145,736	149,088	152,517
Trash Removal	1,500	1,500	1,535	1,570	1,606	1,643	1,681	1,719	1,759	1,799	1,841
Street Light Fee	100	50	51	52	54	55	56	57	59	60	61
Stormwater Assessment	180	300	307	314	321	329	336	344	352	360	368
Maint. Buildings and Grounds	50,000	50,000	51,150	52,326	53,530	54,761	56,021	57,309	58,627	59,976	61,355
Maint. Equipment	1,000	1,000	1,023	1,047	1,071	1,095	1,120	1,146	1,173	1,200	1,227
Central Garage Maint Svc	8,030	8,030	8,215	8,404	8,597	8,795	8,997	9,204	9,416	9,632	9,854
Permit Fees	6,000	6,030	6,169	6,311	6,456	6,604	6,756	6,911	7,070	7,233	7,399
Office Supplies - General	2,300	2,150	2,199	2,250	2,302	2,355	2,409	2,464	2,521	2,579	2,638
Maps and Charts	520	520	532	544	557	570	583	596	610	624	638
Small Tools & Implements	500	500	512	523	535	548	560	573	586	600	614
Fuel	10,000	10,000	10,230	10,465	10,706	10,952	11,204	11,462	11,725	11,995	12,271
Chemicals	129,170	129,170	135,629	142,410	149,530	157,007	164,857	173,100	181,755	190,843	200,385
Laboratory Supplies	7,000	7,000	7,161	7,326	7,494	7,667	7,843	8,023	8,208	8,397	8,590
Clothing and Wearing Apparel	1,500	1,500	1,535	1,570	1,606	1,643	1,681	1,719	1,759	1,799	1,841
Computer Supplies	3,000	3,000	3,069	3,140	3,212	3,286	3,361	3,439	3,518	3,599	3,681
First Aid Supplies	250	250	256	262	268	274	280	287	293	300	307
Janitorial Supplies	800	800	818	837	856	876	896	917	938	960	982
Raw Water	3,087,700	3,087,700	3,112,672	3,131,591	3,176,103	3,211,797	3,246,133	3,278,594	3,311,380	3,344,494	3,377,939
Automotive Parts	3,380	3,380	3,458	3,537	3,619	3,702	3,787	3,874	3,963	4,054	4,148
Conservation Kits & Materials	12,000	12,000	12,276	12,558	12,847	13,143	13,445	13,754	14,071	14,394	14,725
Operating Supplies- Misc.	2,420	2,420	2,476	2,533	2,591	2,650	2,711	2,774	2,838	2,903	2,970
Dues and Memberships	840	840	859	879	899	920	941	963	985	1,008	1,031
Books and Publications	200	200	205	209	214	219	224	229	235	240	245
Subtotal:	\$ 3,511,420	3,511,480	3,549,687	3,582,319	3,641,042	3,691,467	3,741,075	3,789,371	3,838,579	3,888,725	3,939,840
Dept/Div 0107 - Water Distribution											
Personal Services											
Reg. Sal. and Wages	\$ 247,750	\$ 249,250	\$ 254,235	\$ 259,320	\$ 267,099	\$ 275,112	\$ 283,366	\$ 291,867	\$ 300,623	\$ 309,641	\$ 318,931
Overtime	33,950	34,040	34,721	35,415	36,478	37,572	38,699	39,860	41,056	42,288	43,556
Employee Appreciation Incentive	500	500	515	530	546	563	580	597	615	633	652
Stand By Time	11,290	10,070	10,372	10,683	11,004	11,334	11,674	12,024	12,385	12,756	13,139
Social Security Matching	23,320	23,250	23,948	24,666	25,406	26,168	26,953	27,762	28,595	29,452	30,336
Florida Retirement System	22,910	22,940	23,628	24,337	25,067	25,819	26,594	27,392	28,213	29,060	29,931
Group Health Insurance	39,550	76,820	84,502	91,262	95,825	100,617	105,647	110,930	116,476	122,300	128,415
Group Life Insurance	520	520	532	544	557	570	583	596	610	624	638
Accidental Death - AD & D	210	210	216	223	229	236	243	251	258	266	274
W/C Waterworks Operations	11,720	11,660	12,010	12,370	12,741	13,123	13,517	13,923	14,340	14,771	15,214
W/C Clerical	70	70	72	74	76	79	81	84	86	89	91

Schedule 5 - Cash Out

FY 2018 Water & Sewer Revenue Sufficiency Analysis

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Subtotal:	\$ 391,790	429,330	444,751	459,425	475,029	491,193	507,937	525,284	543,257	561,880	581,178
Operating Expenses											
Professional Svcs Misc.	\$ 75,000	\$ 75,000	\$ 25,000	\$ 25,000	\$ 75,000	\$ 25,000	\$ 25,000	\$ 75,000	\$ 25,000	\$ 25,000	\$ 75,000
Call Candy Services	4,000	4,000	4,092	4,186	4,282	4,381	4,482	4,585	4,690	4,798	4,908
Contractual Svcs Misc.	20,000	20,000	20,460	20,931	21,412	21,904	22,408	22,924	23,451	23,990	24,542
Travel and Training	3,600	3,600	3,683	3,768	3,854	3,943	4,033	4,126	4,221	4,318	4,418
Telephone- Local	6,000	6,000	6,138	6,279	6,424	6,571	6,722	6,877	7,035	7,197	7,363
Data Lines	2,000	2,000	2,046	2,093	2,141	2,190	2,241	2,292	2,345	2,399	2,454
Pager Services	160	160	164	167	171	175	179	183	188	192	196
Postage	750	750	767	785	803	821	840	860	879	900	920
Trash Removal	7,500	7,500	7,673	7,849	8,029	8,214	8,403	8,596	8,794	8,996	9,203
Rent - Equipment	500	500	512	523	535	548	560	573	586	600	614
Notary Bond	150	150	153	157	161	164	168	172	176	180	184
Maint. Buildings and Grounds	6,900	6,900	7,059	7,221	7,387	7,557	7,731	7,909	8,091	8,277	8,467
Maint. Equipment	2,000	2,000	2,046	2,093	2,141	2,190	2,241	2,292	2,345	2,399	2,454
Central Garage Maint Svc	10,000	10,000	10,230	10,465	10,706	10,952	11,204	11,462	11,725	11,995	12,271
Office Supplies - General	800	800	818	837	856	876	896	917	938	960	982
Small Tools & Implements	7,700	7,700	7,877	8,058	8,244	8,433	8,627	8,826	9,029	9,236	9,449
Fuel	37,000	37,000	37,851	38,722	39,612	40,523	41,455	42,409	43,384	44,382	45,403
Software Licenses/Support	5,000	5,000	5,115	5,233	5,353	5,476	5,602	5,731	5,863	5,998	6,136
Clothing and Wearing Apparel	3,000	3,000	3,069	3,140	3,212	3,286	3,361	3,439	3,518	3,599	3,681
Computer Supplies	1,400	1,400	1,432	1,465	1,499	1,533	1,569	1,605	1,642	1,679	1,718
First Aid Supplies	200	200	205	209	214	219	224	229	235	240	245
Meters	33,000	33,000	33,759	34,535	35,330	36,142	36,974	37,824	38,694	39,584	40,494
Pipe	10,000	10,000	10,230	10,465	10,706	10,952	11,204	11,462	11,725	11,995	12,271
Hydrants	10,000	10,000	10,230	10,465	10,706	10,952	11,204	11,462	11,725	11,995	12,271
Valves and Clamps	70,000	70,000	71,610	73,257	74,942	76,666	78,429	80,233	82,078	83,966	85,897
Water & Sewer Supplies-Miscellaneous	5,000	5,000	5,115	5,233	5,353	5,476	5,602	5,731	5,863	5,998	6,136
Automotive Parts	30,000	30,000	30,690	31,396	32,118	32,857	33,612	34,385	35,176	35,985	36,813
Operating Supplies- Misc.	15,000	15,000	15,345	15,698	16,059	16,428	16,806	17,193	17,588	17,993	18,407
Sod- Seed	4,500	4,500	4,604	4,709	4,818	4,929	5,042	5,158	5,276	5,398	5,522
Road Materials - Miscellaneous	10,000	10,000	10,230	10,465	10,706	10,952	11,204	11,462	11,725	11,995	12,271
Dues and Memberships	400	400	409	419	428	438	448	458	469	480	491
Books and Publications	240	240	246	251	257	263	269	275	281	288	295
Subtotal:	\$ 381,800	381,800	338,856	346,075	403,460	361,014	368,743	426,649	384,737	393,011	451,475
Operating Expenses											
City Attorney Services	\$ 5,000	\$ 5,000	\$ 5,115	\$ 5,233	\$ 5,353	\$ 5,476	\$ 5,602	\$ 5,731	\$ 5,863	\$ 5,998	\$ 6,136
Master Util Plan Update	10,000	-	-	-	-	-	-	-	-	-	-
Professional Svcs Misc.	10,000	10,000	10,230	10,465	10,706	10,952	11,204	11,462	11,725	11,995	12,271
Annual Audit Services	17,500	25,000	25,575	26,163	26,765	27,381	28,010	28,655	29,314	29,988	30,678
Rate Study	11,000	-	-	-	-	-	-	-	-	-	-
Liability Ins Comp Gen	20,000	30,000	30,690	31,396	32,118	32,857	33,612	34,385	35,176	35,985	36,813
Building and Contents Ins	25,000	25,000	25,575	26,163	26,765	27,381	28,010	28,655	29,314	29,988	30,678
Pollution Insurance	1,000	1,000	1,023	1,047	1,071	1,095	1,120	1,146	1,173	1,200	1,227
Automobile and Truck Ins	21,000	30,000	30,690	31,396	32,118	32,857	33,612	34,385	35,176	35,985	36,813
Insurance Misc.	1,000	1,000	1,100	1,188	1,247	1,310	1,375	1,444	1,516	1,592	1,672
Other Current Charges Misc	10,000	15,000	15,345	15,698	16,059	16,428	16,806	17,193	17,588	17,993	18,407
Subtotal:	\$ 131,500	142,000	145,343	148,749	152,202	155,736	159,354	163,056	166,845	170,723	174,693
Dept/Div 0109 - Construction Services											
Personal Services											
Regular Exempt Salaries	\$ 56,350	\$ 57,330	\$ 58,477	\$ 59,646	\$ 61,436	\$ 63,279	\$ 65,177	\$ 67,132	\$ 69,146	\$ 71,221	\$ 73,357
Reg. Sal. and Wages	122,950	125,090	127,592	130,144	134,048	138,069	142,211	146,478	150,872	155,398	160,060
Overtime	11,090	11,280	11,506	11,736	12,088	12,450	12,824	13,209	13,605	14,013	14,433
Employee Appreciation Incentive	200	200	206	212	219	225	232	239	246	253	261
Social Security Matching	14,580	14,840	15,285	15,744	16,216	16,703	17,204	17,720	18,251	18,799	19,363
Florida Retirement System	14,890	15,150	15,605	16,073	16,555	17,051	17,563	18,090	18,633	19,192	19,767
Group Health Insurance	31,650	31,650	34,815	37,600	39,480	41,454	43,527	45,703	47,988	50,388	52,907
Group Life Insurance	220	220	225	230	236	241	246	252	258	264	270
Accidental Death - AD & D	90	90	93	95	98	101	104	107	111	114	117
Workers Comp - Municipal Class (9410)	14,260	14,500	14,935	15,383	15,845	16,320	16,809	17,314	17,833	18,368	18,919
Subtotal:	\$ 266,280	270,350	278,737	286,863	296,219	305,894	315,898	326,244	336,943	348,010	359,456
Operating Expenses											
Contractual Services - Misc	\$ 1,500	\$ 1,500	\$ 1,535	\$ 1,570	\$ 1,606	\$ 1,643	\$ 1,681	\$ 1,719	\$ 1,759	\$ 1,799	\$ 1,841
Travel and Training	1,800	1,800	1,841	1,884	1,927	1,971	2,017	2,063	2,111	2,159	2,209
Telephone- Local	2,000	2,000	2,046	2,093	2,141	2,190	2,241	2,292	2,345	2,399	2,454
Data Lines	1,800	1,800	1,841	1,884	1,927	1,971	2,017	2,063	2,111	2,159	2,209
Postage	150	150	153	157	161	164	168	172	176	180	184

Schedule 5 - Cash Out

FY 2018 Water & Sewer Revenue Sufficiency Analysis

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Maintenance & Repairs - Copiers	3,300	3,300	3,376	3,454	3,533	3,614	3,697	3,782	3,869	3,958	4,049
Central Garage Maint Svc	1,000	1,000	1,023	1,047	1,071	1,095	1,120	1,146	1,173	1,200	1,227
Office Supplies - General	400	400	409	419	428	438	448	458	469	480	491
Small Tools & Implements	300	300	307	314	321	329	336	344	352	360	368
Fuel	7,800	7,800	7,979	8,163	8,351	8,543	8,739	8,940	9,146	9,356	9,571
Software Licenses/Support	6,000	6,000	6,138	6,279	6,424	6,571	6,722	6,877	7,035	7,197	7,363
Clothing and Wearing Apparel	1,000	1,000	1,023	1,047	1,071	1,095	1,120	1,146	1,173	1,200	1,227
Computer Supplies	1,000	1,000	1,023	1,047	1,071	1,095	1,120	1,146	1,173	1,200	1,227
Automotive Parts	5,000	5,000	5,115	5,233	5,353	5,476	5,602	5,731	5,863	5,998	6,136
Operating Supplies- Misc.	1,200	1,200	1,228	1,256	1,285	1,314	1,344	1,375	1,407	1,439	1,473
Dues and Memberships	200	200	205	209	214	219	224	229	235	240	245
Subtotal:	\$ 34,450	34,450	35,242	36,053	36,882	37,730	38,598	39,486	40,394	41,323	42,274
Dept/Div 0111 - Reclaimed Water Prod.											
Personal Services											
Reg. Sal. and Wages	\$ 146,720	\$ 148,240	\$ 151,205	\$ 154,229	\$ 158,856	\$ 163,621	\$ 168,530	\$ 173,586	\$ 178,794	\$ 184,157	\$ 189,682
Overtime	6,240	6,320	6,446	6,575	6,773	6,976	7,185	7,401	7,623	7,851	8,087
Employee Appreciation Incentive	200	200	206	212	219	225	232	239	246	253	261
Stand By Time	9,580	9,750	10,043	10,344	10,654	10,974	11,303	11,642	11,991	12,351	12,722
Meal Allowance	150	150	153	157	161	164	168	172	176	180	184
Social Security Matching	12,460	12,600	12,978	13,367	13,768	14,181	14,607	15,045	15,496	15,961	16,440
Florida Retirement System	12,710	12,850	13,236	13,633	14,042	14,463	14,897	15,344	15,804	16,278	16,766
Group Health Insurance	31,650	31,650	34,815	37,600	39,480	41,454	43,527	45,703	47,988	50,388	52,907
Group Life Insurance	220	220	225	230	236	241	246	252	258	264	270
Accidental Death - AD & D	90	90	93	95	98	101	104	107	111	114	117
W/C Sewage Disp Oper/Driv	5,930	6,000	6,180	6,365	6,556	6,753	6,956	7,164	7,379	7,601	7,829
Subtotal:	\$ 225,950	228,070	235,579	242,808	250,842	259,154	267,755	276,655	285,866	295,399	305,265
Operating Expenses											
Lab Test	\$ 12,000	\$ 125,000	\$ 127,875	\$ 130,816	\$ 133,825	\$ 136,903	\$ 140,052	\$ 143,273	\$ 146,568	\$ 149,939	\$ 153,388
Contractual Svcs Misc.	270	270	276	283	289	296	303	309	317	324	331
Travel and Training	1,790	1,790	1,831	1,873	1,916	1,960	2,006	2,052	2,099	2,147	2,197
Postage	30	30	31	31	32	33	34	34	35	36	37
Electric - City Facilities	225,000	225,000	230,175	235,469	240,885	246,425	252,093	257,891	263,823	269,890	276,098
Insurance	1,000	1,000	1,100	1,188	1,247	1,310	1,375	1,444	1,516	1,592	1,672
Maint. Buildings and Grounds	41,000	41,000	41,943	42,908	43,895	44,904	45,937	46,993	48,074	49,180	50,311
Maint. Equipment	3,800	3,800	3,887	3,977	4,068	4,162	4,258	4,355	4,456	4,558	4,663
Excess Reclaimed Water Expense	85,000	50,000	51,150	52,326	53,530	54,761	56,021	57,309	58,627	59,976	61,355
Office Supplies - General	100	100	102	105	107	110	112	115	117	120	123
Chemicals	90,640	90,640	95,172	99,931	104,927	110,173	115,682	121,466	127,540	133,917	140,612
Laboratory Supplies	200	200	205	209	214	219	224	229	235	240	245
Clothing and Wearing Apparel	1,450	1,450	1,483	1,517	1,552	1,588	1,625	1,662	1,700	1,739	1,779
Janitorial Supplies	220	220	225	230	236	241	246	252	258	264	270
Operating Supplies- Misc.	500	500	512	523	535	548	560	573	586	600	614
Dues and Memberships	300	300	307	314	321	329	336	344	352	360	368
Subtotal:	\$ 463,300	541,300	556,274	571,701	587,580	603,961	620,862	638,303	656,302	674,882	694,063
Dept/Div 0112 - Water Pollution Control											
Personal Services											
Division Head Salaries	\$ 70,000	\$ 71,220	\$ 73,357	\$ 75,557	\$ 77,824	\$ 80,159	\$ 82,563	\$ 85,040	\$ 87,592	\$ 90,219	\$ 92,926
Reg. Sal. and Wages	472,470	454,050	463,131	472,394	486,565	501,162	516,197	531,683	547,634	564,063	580,985
Overtime	25,900	24,890	25,388	25,896	26,672	27,473	28,297	29,146	30,020	30,921	31,848
Employee Appreciation Incentive	650	650	670	690	710	732	754	776	799	823	848
Education Incentive Pay	-	600	618	637	656	675	696	716	738	760	783
Stand By Time	11,970	12,180	12,545	12,922	13,309	13,709	14,120	14,544	14,980	15,429	15,892
Meal Allowance	270	270	283	289	296	303	309	317	324	331	338
Social Security Matching	44,470	43,140	44,434	45,767	47,140	48,554	50,011	51,511	53,057	54,648	56,288
Florida Retirement System	41,200	37,320	38,440	39,593	40,781	42,004	43,264	44,562	45,899	47,276	48,694
Defined Contribution Plan	8,380	8,520	8,776	9,039	9,310	9,589	9,877	10,173	10,479	10,793	11,117
Group Health Insurance	87,030	102,860	113,146	122,198	128,308	134,723	141,459	148,532	155,959	163,757	171,944
Group Life Insurance	700	700	716	733	749	767	784	802	821	840	859
Accidental Death - AD & D	290	290	299	308	317	326	336	346	357	367	378
W/C Sewage Disp Oper/Driv	18,630	18,630	19,189	19,765	20,358	20,968	21,597	22,245	22,913	23,600	24,308
W/C Municipal Classification	5,240	5,240	5,397	5,559	5,726	5,898	6,075	6,257	6,445	6,638	6,837
Subtotal:	\$ 787,200	780,560	806,381	831,337	858,714	887,035	916,333	946,644	978,006	1,010,458	1,044,039
Operating Expenses											
Engineering Svcs. Misc.	\$ 55,000	\$ 70,000	\$ 71,610	\$ 73,257	\$ 74,942	\$ 76,666	\$ 78,429	\$ 80,233	\$ 82,078	\$ 83,966	\$ 85,897
Professional Svcs Misc.	5,000	5,000	5,115	5,233	5,353	5,476	5,602	5,731	5,863	5,998	6,136
Pest Control Services	420	420	430	440	450	460	471	481	492	504	515
Lab Test	12,000	12,000	12,276	12,558	12,847	13,143	13,445	13,754	14,071	14,394	14,725

Schedule 5 - Cash Out

FY 2018 Water & Sewer Revenue Sufficiency Analysis

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Contractual Svcs Misc.	6,500	6,500	6,650	6,802	6,959	7,119	7,283	7,450	7,622	7,797	7,976
Travel and Training	2,400	2,400	2,455	2,512	2,569	2,629	2,689	2,751	2,814	2,879	2,945
Telephone- Local	1,100	1,100	1,125	1,151	1,178	1,205	1,232	1,261	1,290	1,319	1,350
Data Lines	4,680	4,680	4,788	4,898	5,010	5,126	5,244	5,364	5,488	5,614	5,743
Pager Services	140	140	143	147	150	153	157	160	164	168	172
Postage	130	130	133	136	139	142	146	149	152	156	160
Freight Express Charges	300	300	307	314	321	329	336	344	352	360	368
Electric - City Facilities	315,000	315,000	322,245	329,657	337,239	344,995	352,930	361,048	369,352	377,847	386,537
Trash Removal	10,000	10,000	10,230	10,465	10,706	10,952	11,204	11,462	11,725	11,995	12,271
Water and Sewer City	27,500	27,500	28,133	28,780	29,441	30,119	30,811	31,520	32,245	32,987	33,745
Sludge Removal	330,000	410,000	419,430	429,077	438,946	449,041	459,369	469,935	480,743	491,800	503,112
Street Light Fee	260	280	286	293	300	307	314	321	328	336	344
Stormwater Assessment	2,690	2,750	2,813	2,878	2,944	3,012	3,081	3,152	3,224	3,299	3,375
Rent - Equipment	2,000	2,000	2,046	2,093	2,141	2,190	2,241	2,292	2,345	2,399	2,454
Liability Ins Comp Gen	7,570	10,850	11,355	11,883	12,436	12,998	13,563	14,131	14,701	15,272	15,845
Building and Contents Ins	138,340	138,340	141,522	144,777	148,107	151,513	154,998	158,563	162,210	165,941	169,757
Pollution Insurance	10,000	7,000	7,161	7,326	7,494	7,667	7,843	8,023	8,208	8,397	8,590
Automobile and Truck Ins	2,670	3,200	3,274	3,349	3,426	3,505	3,585	3,668	3,752	3,838	3,927
Flood Insurance	13,900	13,900	14,220	14,547	14,881	15,224	15,574	15,932	16,298	16,673	17,057
Maint. Buildings and Grounds	98,250	98,250	100,510	102,821	105,186	107,606	110,081	112,612	115,203	117,852	120,563
Maint. Equipment	12,280	12,280	12,562	12,851	13,147	13,449	13,759	14,075	14,399	14,730	15,069
Maint. Copiers	510	510	522	534	546	559	571	585	598	612	626
Central Garage Maint Svc	4,700	4,700	4,808	4,919	5,032	5,148	5,266	5,387	5,511	5,638	5,767
Permit Fees	1,000	12,000	12,276	12,558	12,847	13,143	13,445	13,754	14,071	14,394	14,725
Office Supplies - General	1,500	1,500	1,535	1,570	1,606	1,643	1,681	1,719	1,759	1,799	1,841
Small Tools & Implements	2,000	2,000	2,046	2,093	2,141	2,190	2,241	2,292	2,345	2,399	2,454
Fuel	25,000	25,000	25,575	26,163	26,765	27,381	28,010	28,655	29,314	29,988	30,678
Chemicals	120,000	120,000	126,000	132,300	138,915	145,861	153,154	160,811	168,852	177,295	186,159
Laboratory Supplies	10,000	10,000	10,230	10,465	10,706	10,952	11,204	11,462	11,725	11,995	12,271
Clothing and Wearing Apparel	3,480	3,480	3,560	3,642	3,726	3,811	3,899	3,989	4,080	4,174	4,270
Computer Supplies	5,600	5,600	5,679	5,861	5,995	6,133	6,274	6,419	6,566	6,717	6,872
First Aid Supplies	400	400	409	419	428	438	448	458	469	480	491
Janitorial Supplies	3,800	3,800	3,887	3,977	4,068	4,162	4,258	4,355	4,456	4,558	4,663
Automotive Parts	10,000	10,000	10,230	10,465	10,706	10,952	11,204	11,462	11,725	11,995	12,271
Operating Supplies- Misc.	3,000	3,000	3,069	3,140	3,212	3,286	3,361	3,439	3,518	3,599	3,681
Dues and Memberships	1,300	1,300	1,330	1,360	1,392	1,424	1,457	1,490	1,524	1,559	1,595
Books and Publications	150	150	153	157	161	164	168	172	176	180	184
Subtotal:	\$ 1,250,570	1,357,460	1,391,922	1,427,338	1,463,739	1,501,155	1,539,620	1,579,167	1,619,829	1,661,644	1,704,649
Dept/Div 0113 - Sewer Collection											
Personal Services											
Regular Exempt Salaries	\$ 44,390	\$ 41,600	\$ 42,432	\$ 43,281	\$ 44,579	\$ 45,916	\$ 47,294	\$ 48,713	\$ 50,174	\$ 51,679	\$ 53,230
Reg. Sal. and Wages	197,730	200,310	204,316	208,403	214,655	221,094	227,727	234,559	241,596	248,844	256,309
Overtime	42,780	43,340	44,207	45,091	46,444	47,837	49,272	50,750	52,273	53,841	55,456
Employee Appreciation Incentive	450	450	464	477	492	506	522	537	553	570	587
Stand By Time	12,580	12,730	13,112	13,505	13,910	14,328	14,758	15,200	15,656	16,126	16,610
Social Security Matching	22,790	22,830	23,515	24,220	24,947	25,695	26,466	27,260	28,078	28,920	29,788
Florida Retirement System	23,260	23,300	23,999	24,719	25,461	26,224	27,011	27,821	28,656	29,516	30,401
Group Health Insurance	55,390	71,210	78,331	84,597	88,827	93,269	97,932	102,829	107,970	113,369	119,037
Group Life Insurance	490	490	501	513	525	537	549	562	575	588	601
Accidental Death - AD & D	200	200	206	212	219	225	232	239	246	253	261
W/C Sewage Disp Oper/Driv	10,340	9,670	9,960	10,259	10,567	10,884	11,210	11,546	11,893	12,250	12,617
W/C Storage Warehouse-Invent	1,120	1,810	1,864	1,920	1,978	2,037	2,098	2,161	2,226	2,293	2,362
Subtotal:	\$ 411,520	427,940	442,907	457,198	472,602	488,553	505,071	522,178	539,896	558,248	577,259
Operating Expenses											
Professional Services - Misc	\$ 100,000	\$ 50,000	\$ 51,150	\$ 52,326	\$ 53,530	\$ 54,761	\$ 56,021	\$ 57,309	\$ 58,627	\$ 59,976	\$ 61,355
Inspection Services	800	800	818	837	856	876	896	917	938	960	982
Contractual Svcs Misc.	22,000	22,000	22,506	23,024	23,553	24,095	24,649	25,216	25,796	26,389	26,996
Travel and Training	2,940	3,050	3,120	3,192	3,265	3,340	3,417	3,496	3,576	3,659	3,743
Telephone- Local	3,000	3,000	3,069	3,140	3,212	3,286	3,361	3,439	3,518	3,599	3,681
Data Lines	5,000	5,000	5,115	5,233	5,353	5,476	5,602	5,731	5,863	5,998	6,136
Pager Services	80	80	82	84	86	88	90	92	94	96	98
Postage	350	350	358	366	375	383	392	401	410	420	429
Electric - City Facilities	80,000	80,000	81,840	83,722	85,648	87,618	89,633	91,695	93,800	95,961	98,168
Trash Removal	12,000	12,000	12,276	12,558	12,847	13,143	13,445	13,754	14,071	14,394	14,725
Stormwater Assessment	60	60	61	63	64	66	67	69	70	72	74
Rent - Equipment	2,000	2,000	2,046	2,093	2,141	2,190	2,241	2,292	2,345	2,399	2,454
Maint. Buildings and Grounds	140,000	140,000	143,220	146,514	149,884	153,331	156,858	160,466	164,156	167,932	171,794
Maint. Equipment	14,000	14,000	14,322	14,651	14,988	15,333	15,686	16,047	16,416	16,793	17,179
Central Garage Maint Svc	20,000	20,000	20,460	20,931	21,412	21,904	22,408	22,924	23,451	23,990	24,542

Schedule 5 - Cash Out

FY 2018 Water & Sewer Revenue Sufficiency Analysis

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Office Supplies - General	900	900	921	942	964	986	1,008	1,032	1,055	1,080	1,104
Small Tools & Implements	6,850	6,850	7,008	7,169	7,334	7,502	7,675	7,851	8,032	8,217	8,406
Fuel	30,000	30,000	30,690	31,396	32,118	32,857	33,612	34,385	35,176	35,985	36,813
Chemicals	5,000	5,000	5,250	5,513	5,788	6,078	6,381	6,700	7,036	7,387	7,757
Software Licenses/Support	5,000	5,000	5,115	5,233	5,353	5,476	5,602	5,731	5,863	5,998	6,136
Clothing and Wearing Apparel	2,400	2,400	2,455	2,512	2,569	2,629	2,689	2,751	2,814	2,879	2,945
Computer Supplies	1,500	1,500	1,535	1,570	1,606	1,643	1,681	1,719	1,759	1,799	1,841
First Aid Supplies	300	300	307	314	321	329	336	344	352	360	368
Pipe	7,000	7,000	7,161	7,326	7,494	7,667	7,843	8,023	8,208	8,397	8,590
Valves and Clamps	20,000	20,000	20,460	20,931	21,412	21,904	22,408	22,924	23,451	23,990	24,542
Automotive Parts	17,000	17,000	17,391	17,791	18,200	18,619	19,047	19,485	19,933	20,392	20,861
Operating Supplies- Misc.	15,000	15,000	15,345	15,698	16,059	16,428	16,806	17,193	17,588	17,993	18,407
Sod- Seed	3,000	3,000	3,069	3,140	3,212	3,286	3,361	3,439	3,518	3,599	3,681
Road Materials - Miscellaneous	6,000	6,000	6,138	6,279	6,424	6,571	6,722	6,877	7,035	7,197	7,363
Dues and Memberships	300	300	307	314	321	329	336	344	352	360	368
Books and Publications	200	200	205	209	214	219	224	229	235	240	245
Subtotal:	\$ 522,680	472,790	483,799	495,068	506,604	518,412	530,499	542,873	555,540	568,508	581,783
Orangewood Utility Operating Expenses	\$ -	\$ 92,755	\$ 95,684	\$ 98,705	\$ 101,821	\$ 105,036	\$ 108,353	\$ 111,774	\$ 115,303	\$ 118,943	\$ 122,699
Dept/Div 0580 - Non-Expenditure Disb.											
Transfer to General Fund	\$ 3,217,380	\$ 3,070,260	\$ 3,162,368	\$ 3,257,239	\$ 3,354,956	\$ 3,455,605	\$ 3,559,273	\$ 3,666,051	\$ 3,776,033	\$ 3,889,314	\$ 4,005,993
Subtotal:	\$ 3,217,380	3,070,260	3,162,368	3,257,239	3,354,956	3,455,605	3,559,273	3,666,051	3,776,033	3,889,314	4,005,993
Total: Personal Services - All Depts	\$ 2,418,420	2,475,490	2,558,770	2,638,928	2,726,480	2,817,078	2,910,835	3,007,868	3,108,298	3,212,251	3,319,858
Personal Services Execution Percentage	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%	97%
Total: Personal Services Funding Level	\$ 2,346,144	2,401,509	2,482,300	2,560,062	2,644,997	2,732,888	2,823,844	2,917,976	3,015,405	3,116,251	3,220,642
Total: Fixed Operating Expenses - All Depts	\$ 6,425,400	6,516,595	6,646,503	6,831,655	7,072,183	7,218,321	7,420,244	7,678,135	7,842,182	8,062,579	8,339,530
Fixed Operating Expenses Execution Percentage	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%
Total: Fixed Operating Expenses Funding Level	\$ 6,049,230	6,135,086	6,257,388	6,431,701	6,658,148	6,795,730	6,985,832	7,228,624	7,383,067	7,590,562	7,851,298
Total: Variable Operating Expenses - All Depts	\$ 3,087,700	3,087,700	3,112,672	3,131,591	3,176,103	3,211,797	3,246,133	3,278,594	3,311,380	3,344,494	3,377,939
Variable Operating Expenses Execution Percentage	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total: Variable Operating Expenses Funding Level	\$ 3,087,700	3,087,700	3,112,672	3,131,591	3,176,103	3,211,797	3,246,133	3,278,594	3,311,380	3,344,494	3,377,939
Total: Capital Outlay - All Depts	\$ -	-	-	-	-	-	-	-	-	-	-
Capital Outlay Execution Percentage	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total: Capital Outlay Funding Level	\$ -	-	-	-	-	-	-	-	-	-	-
Total: O&M Funding Level	\$ 11,483,074	11,624,295	11,852,361	12,123,354	12,479,248	12,740,415	13,055,808	13,425,195	13,709,852	14,051,307	14,449,880
Debt Service Expenses											
Series 2017A	\$ 44,882	\$ 65,127	\$ 64,963	\$ 64,774	\$ 64,560	\$ 64,320	\$ 65,055	\$ 64,739	\$ 64,398	\$ 65,032	\$ 64,615
Principal - 2012 Bond	\$ 537,953	\$ 551,939	\$ 566,290	\$ 581,013	\$ 596,120	\$ 611,619	\$ 627,521	\$ 643,836	\$ 660,576	\$ 677,751	\$ 695,373
Interest - 2012 Bond	\$ 187,056	\$ 172,888	\$ 158,351	\$ 143,436	\$ 128,133	\$ 112,432	\$ 96,323	\$ 79,796	\$ 62,838	\$ 45,440	\$ 27,590
Cumulative New Debt Service	-	148,583	314,442	360,926	403,645	403,645	403,645	403,645	403,645	403,645	403,645
Total: Debt Service Expenses	\$ 769,891	938,536	1,104,045	1,150,149	1,192,458	1,192,016	1,192,545	1,192,016	1,191,458	1,191,868	1,191,223
Transfers Out											
Transfer to General Fund - TBW Interest	\$ 387,320	\$ 387,320	\$ 387,320	\$ 387,320	\$ 387,320	\$ 387,320	\$ 387,320	\$ 387,320	\$ 387,320	\$ 387,320	\$ 387,320
Transfer to Gen Fund-PILOFF	\$ 560,000	\$ 576,800	\$ 594,104	\$ 611,927	\$ 630,285	\$ 649,193	\$ 668,669	\$ 688,729	\$ 709,391	\$ 730,673	\$ 752,593
Transfer to W&S R&R	\$ 708,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transfer to W&S Const	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total: Transfers Out	\$ 1,955,720	964,120	981,424	999,247	1,017,605	1,036,513	1,055,989	1,076,049	1,096,711	1,117,993	1,139,913
Capital Project Funding Sources											
Projects Paid from Reserve Balances	\$ -	836,992	41,097	1,139,684	2,226,002	1,996,165	2,849,769	2,925,388	3,003,015	3,082,701	3,164,501
Projects Designated to be Paid with Cash	-	-	-	-	-	-	-	-	-	-	-
Total: Capital Project Funding Sources	\$ -	836,992	41,097	1,139,684	2,226,002	1,996,165	2,849,769	2,925,388	3,003,015	3,082,701	3,164,501
TOTAL CASH OUTFLOWS	\$ 14,208,685	14,363,943	13,978,927	15,412,434	16,915,313	16,965,110	18,154,111	18,618,649	19,001,036	19,443,869	19,945,517

Schedule 6 - Cost Escalation Factors

FY 2018 Water & Sewer Revenue Sufficiency Analysis

Annual Cost Escalation Factors:	Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Accidental Death - AD & D	Personal Services	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
Annual Audit Services	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Automobile and Truck Ins	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Automotive Parts	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Books and Publications	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Building and Contents Ins	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Call Candy Services	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Central Garage Maint Svc	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Chemicals	Chemicals	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	0.00%
City Attorney Services	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Clothing and Wearing Apparel	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Computer Supplies	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Conservation Kits & Materials	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Contractual Svcs Misc.	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Data Lines	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Defined Contribution Plan	Personal Services	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
Division Head Salaries	Personal Services	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
Dues and Memberships	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Electric - City Facilities	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Employee Appreciation Incentive	Personal Services	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
Engineering Svcs. Misc.	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Excess Reclaimed Water Expense	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
First Aid Supplies	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Flood Insurance	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Florida Retirement System	Personal Services	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
Freight Express Charges	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Fuel	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Group Health Insurance	Group Insurance	8.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	0.00%
Group Life Insurance	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Hydrants	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Inspection Services	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Insurance	Group Insurance	8.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	0.00%
Insurance Misc.	Group Insurance	8.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	0.00%
Janitorial Supplies	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Lab Test	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Laboratory Supplies	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Liability Ins Comp Gen	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Maint. Buildings and Grounds	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Maint. Copiers	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Maint. Equipment	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Maintenance & Repairs - Copiers	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Maps and Charts	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Meal Allowance	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Meters	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Notary Bond	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Office Supplies - General	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Operating Supplies- Misc.	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Other Current Charges Misc	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Overtime	Wages	2.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
Pager Services	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Permit Fees	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Pest Control Services	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Pipe	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Pollution Insurance	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Postage	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Professional Svcs Misc.	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Raw Water	Tampa Bay Water Rat	0.61%	1.42%	1.12%	1.07%	1.00%	1.00%	1.00%	1.00%	0.00%
Reg. Sal. and Wages	Wages	2.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%

Schedule 6 - Cost Escalation Factors

FY 2018 Water & Sewer Revenue Sufficiency Analysis

Annual Cost Escalation Factors:	Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Regular Exempt Salaries	Wages	2.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
Rent - Equipment	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Road Materials - Miscellaneous	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Security Services	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Sludge Removal	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Small Tools & Implements	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Social Security Matching	Personal Services	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
Sod- Seed	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Software Licenses/Support	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Stand By Time	Personal Services	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
Stormwater Assessment	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Street Light Fee	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Telephone- Local	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Trash Removal	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Travel and Training	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Valves and Clamps	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
W/C Clerical	Personal Services	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
W/C Municipal Classification	Personal Services	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
W/C Sewage Disp Oper/Driv	Personal Services	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
W/C Storage Warehse-Invent	Personal Services	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
W/C Waterworks Operations	Personal Services	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	0.00%
Water & Sewer Supplies-Miscellaneous	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Water and Sewer City	US CPI 10YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%
Write Off of Bad Debt	US CPI 5YR	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	0.00%

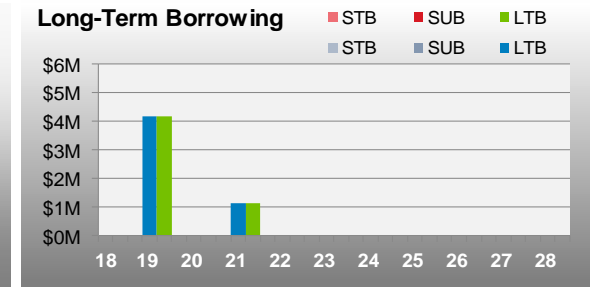
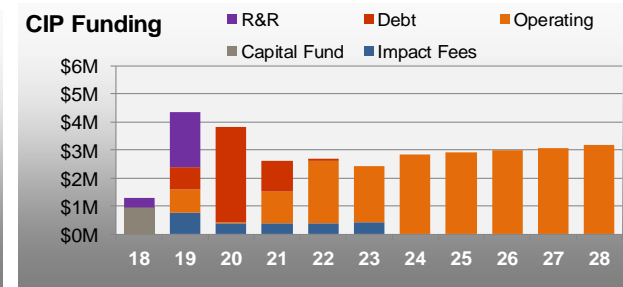
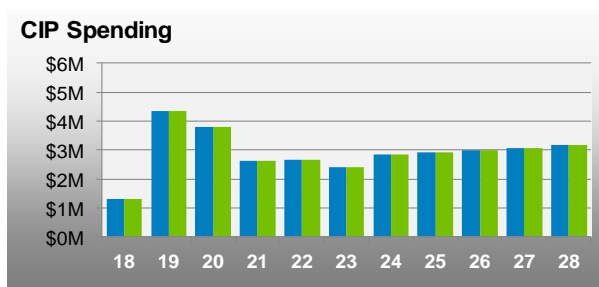
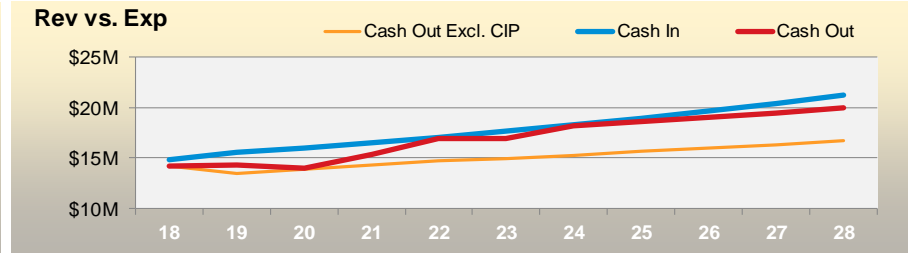
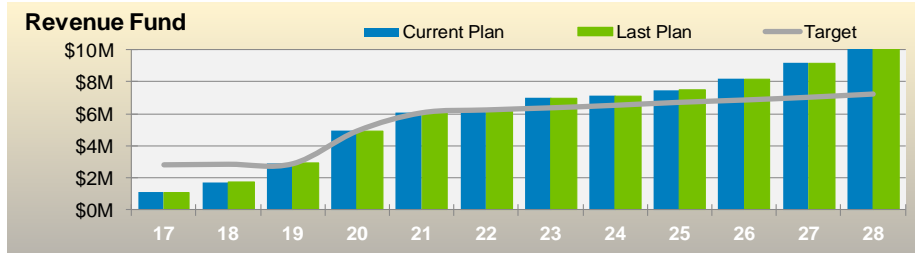
FINANCIAL ANALYSIS AND MANAGEMENT SYSTEM (FAMS) SUMMARY

ROLL
CALC
SAVE

New Port Richey

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Cumulative Change	
Override ▶	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%		
Water Rate Plan	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%		
	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%		
Sewer Rate Plan	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%		
	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%		
Senior DSC	4.36	4.18	3.77	3.84	3.87	4.15	4.41	4.65	5.01	5.37	5.72		
	4.36	4.18	3.77	3.84	3.87	4.15	4.41	4.65	5.01	5.37	5.72		
Avg Bill (4,000 gal)	\$70.70	\$73.56	\$76.48	\$79.55	\$82.72	\$86.04	\$89.51	\$93.09	\$96.83	\$100.73	\$104.76		
	\$70.70	\$73.56	\$76.48	\$79.55	\$82.72	\$86.04	\$89.51	\$93.09	\$96.83	\$100.73	\$104.76		

	FY 2023	FY 2028
	21.76%	48.15%
	21.76%	48.15%
<i>Orangewood?</i>		Y
<i>Purchase Funding</i>		OPT
<i>Improvement Funding</i>		OPT
<i>Lindrick ?</i>		N
<i>Year</i>		
<i>Outside City Surcharge</i>		0.00%



Schedule 8 - Forecast of Revenues and Debt Service Coverage

FY 2018 Water & Sewer Revenue Sufficiency Analysis

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
1 Rate Revenue Subject to Growth & Rate Adjustments											
2 Water, Sewer, & Reclaimed Rate Revenue	\$ 11,282,080	11,282,080	12,238,683	12,816,141	13,421,521	14,056,206	14,721,648	15,419,377	16,150,998	16,918,196	17,722,745
3 Additional Revenue From Growth	-	77,159	84,530	89,167	94,061	99,226	104,676	110,428	116,498	122,905	129,667
4 Additional Rate Revenue from Orangewood Utility Purchase	-	408,726	-	-	-	-	-	-	-	-	-
5 Subtotal: Base Revenue With Growth	\$ 11,282,080	11,767,965	12,323,213	12,905,309	13,515,582	14,155,431	14,826,324	15,529,805	16,267,496	17,041,101	17,852,412
6 Weighted Average Rate Increase	0.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
7 Additional Rate Revenue From Rate Increase	-	470,719	492,929	516,212	540,623	566,217	593,053	621,192	650,700	681,644	714,096
8 Total Rate Revenue	\$ 11,282,080	12,238,683	12,816,141	13,421,521	14,056,206	14,721,648	15,419,377	16,150,998	16,918,196	17,722,745	18,566,508
9 Plus: Other Operating Revenues											
10 Other Operating Revenues	\$ 2,834,000	2,572,150	2,437,232	2,315,815	2,206,548	2,108,217	2,019,728	1,940,098	1,868,439	1,803,956	1,745,931
11 Equals: Total Operating Revenue	\$ 14,116,080	14,810,833	15,253,373	15,737,336	16,262,754	16,829,866	17,439,106	18,091,095	18,786,635	19,526,701	20,312,439
12 Less: Operating Expenses											
13 Personal Services	\$ (2,346,144)	(2,401,509)	(2,482,300)	(2,560,062)	(2,644,997)	(2,732,888)	(2,823,844)	(2,917,976)	(3,015,405)	(3,116,251)	(3,220,642)
14 Variable O&M Expenses	(3,087,700)	(3,087,700)	(3,112,672)	(3,131,591)	(3,176,103)	(3,211,797)	(3,246,133)	(3,278,594)	(3,311,380)	(3,344,494)	(3,377,939)
15 Fixed O&M Expenses	(6,049,230)	(6,135,086)	(6,257,388)	(6,431,701)	(6,658,148)	(6,795,730)	(6,985,832)	(7,228,624)	(7,383,067)	(7,590,562)	(7,851,298)
16 Equals: Net Operating Income	\$ 2,633,006	3,186,538	3,401,013	3,613,982	3,783,506	4,089,451	4,383,298	4,665,900	5,076,783	5,475,394	5,862,560
17 Plus: Non-Operating Income/(Expense)											
18 Non-Operating Revenue	\$ 683,000	678,000	678,000	678,000	678,000	678,000	678,000	678,000	678,000	678,000	678,000
19 Interest Earned On Fund Balances	44,131	58,115	79,963	120,292	152,506	183,333	194,543	204,483	219,819	241,773	270,186
20 Water Impact Fees	45,000	45,711	46,054	51,039	60,771	70,646	71,176	71,710	72,248	72,790	73,336
21 Wastewater Impact Fees	333,280	330,277	336,057	341,938	347,922	354,011	166,166	172,470	178,884	185,410	192,050
22 Equals: Net Income	\$ 3,738,416	4,298,642	4,541,087	4,805,251	5,022,705	5,375,441	5,493,183	5,792,563	6,225,734	6,653,367	7,076,131
23 Less: Revenues Excluded From Coverage Test											
24 Impact Fees	\$ (378,280)	(375,988)	(382,111)	(392,977)	(408,693)	(424,657)	(237,342)	(244,180)	(251,131)	(258,199)	(265,386)
25 Equals: Net Income Available For Debt Service	\$ 3,360,136	3,922,654	4,158,976	4,412,274	4,614,012	4,950,784	5,255,841	5,548,383	5,974,602	6,395,167	6,810,745
26 Senior-Lien Debt Service Coverage Test											
27 Existing Debt Service	\$ 769,891	789,954	789,604	789,223	788,813	788,371	788,899	788,371	787,812	788,223	787,578
28 Cumulative New Debt Service	-	148,583	314,442	360,926	403,645	403,645	403,645	403,645	403,645	403,645	403,645
29 Total Senior-Lien Debt Service	\$ 769,891	938,536	1,104,045	1,150,149	1,192,458	1,192,016	1,192,545	1,192,016	1,191,458	1,191,868	1,191,223
30 Calculated Debt Service Coverage (Test I) 1.10 Req.	4.36	4.18	3.77	3.84	3.87	4.15	4.41	4.65	5.01	5.37	5.72
31 Calculated Debt Service Coverage (Test II) 1.10 Req.	4.86	4.58	4.11	4.18	4.21	4.51	4.61	4.86	5.23	5.58	5.94
32 Net Income Available For SRF Debt Service	\$ 2,590,245	2,984,117	3,054,931	3,262,125	3,421,554	3,758,767	4,063,296	4,356,367	4,783,145	5,203,299	5,619,523
33 Cash Flow Test											
34 Net Income Available For Debt Service	\$ 3,360,136	3,922,654	4,158,976	4,412,274	4,614,012	4,950,784	5,255,841	5,548,383	5,974,602	6,395,167	6,810,745
35 Transfers In	-	-	-	-	-	-	-	-	-	-	-
36 Transfers Out	(1,955,720)	(964,120)	(981,424)	(999,247)	(1,017,605)	(1,036,513)	(1,055,989)	(1,076,049)	(1,096,711)	(1,117,993)	(1,139,913)
37 Total Senior-Lien Debt Service	(769,891)	(938,536)	(1,104,045)	(1,150,149)	(1,192,458)	(1,192,016)	(1,192,545)	(1,192,016)	(1,191,458)	(1,191,868)	(1,191,223)
38 Capital Outlay	-	-	-	-	-	-	-	-	-	-	-
39 Net Cash Flow	\$ 634,525	2,019,997	2,073,507	2,262,878	2,403,949	2,722,254	3,007,307	3,280,318	3,686,433	4,085,306	4,479,609
40 Unrestricted Working Capital Reserve Fund Test											
41 Balance At Beginning Of Fiscal Year	\$ 1,088,543	1,723,068	2,906,074	4,938,484	6,061,677	6,239,624	6,965,712	7,123,250	7,478,180	8,161,599	9,164,204
42 Cash Flow Surplus/(Deficit)	634,525	2,019,997	2,073,507	2,262,878	2,403,949	2,722,254	3,007,307	3,280,318	3,686,433	4,085,306	4,479,609
43 Cash Flow Deficit Paid with Unrestricted Reserve Fund Balanc	-	-	-	-	-	-	-	-	-	-	-
44 Projects Designated to be Paid with Cash	-	-	-	-	-	-	-	-	-	-	-
45 Projects Paid with Unrestricted Reserve Fund Balance	-	(836,992)	(41,097)	(1,139,684)	(2,226,002)	(1,996,165)	(2,849,769)	(2,925,388)	(3,003,015)	(3,082,701)	(3,164,501)
46 Balance At End Of Fiscal Year	\$ 1,723,068	2,906,074	4,938,484	6,061,677	6,239,624	6,965,712	7,123,250	7,478,180	8,161,599	9,164,204	10,479,312
47 Minimum Working Capital Reserve Target	2,870,769	2,906,074	4,938,484	6,061,677	6,239,624	6,370,208	6,527,904	6,712,597	6,854,926	7,025,653	7,224,940
48 Excess Working Capital Above Target	\$ (1,147,700)	-	-	-	-	595,505	595,346	765,582	1,306,672	2,138,550	3,254,372

Schedule 9 - Capital Project Funding Summary

FY 2018 Water & Sewer Revenue Sufficiency Analysis

CIP Funding Sources:	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
WATER IMPACT FEES	\$ -	90,711	46,054	51,039	60,771	70,646	-	-	-	-	-
SEWER IMPACT FEES	-	663,557	336,057	341,938	347,922	354,011	-	-	-	-	-
RENEWAL & REPLACEMENT	364,347	1,980,485	-	-	-	-	-	-	-	-	-
REVENUE FUND	-	836,992	41,097	1,139,684	2,226,002	1,996,165	2,849,769	2,925,388	3,003,015	3,082,701	3,164,501
DEBT PROCEEDS	-	793,255	3,395,504	1,091,238	40,554	(0)	-	-	-	-	-
Total CIP Funding Sources	\$ 1,305,000	4,365,000	3,818,712	2,623,899	2,675,249	2,420,823	2,849,769	2,925,388	3,003,015	3,082,701	3,164,501
Total CIP Input	1,305,000	4,365,000	3,818,712	2,623,899	2,675,249	2,420,823	2,849,769	2,925,388	3,003,015	3,082,701	3,164,501
Variance	-	-	-	-	(0)	-	-	-	-	-	-

Schedule 10 - Long-Term Borrowing Projections

FY 2018 Water & Sewer Revenue Sufficiency Analysis

	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>
Term (Years)	20	20	20	20	20	20	20	20	20	20	20
Interest Rate	3.25%	3.25%	3.50%	3.75%	4.00%	4.25%	4.50%	4.75%	5.00%	5.25%	5.50%
Sources of Funds											
Par Amount	\$0	\$4,571,777	\$0	\$1,239,590	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Uses of Funds											
Proceeds	\$0	\$4,188,759	\$0	\$1,131,793	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0
Cost of Issuance	1.50% of Par	\$68,577	\$0	\$18,594	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Underwriter's Discount	\$0.00 per \$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bond Insurance	0 times total Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capitalized Interest	0 Years Interest	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service Surety	0.00% of Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Service Reserve	1 Years of Debt Service	\$0	\$314,442	\$0	\$89,203	\$0	\$0	\$0	\$0	\$0	\$0
Other Costs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Uses		\$4,571,777	\$0	\$1,239,590	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1 Year Interest		\$148,583	\$0	\$46,485	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Annual Debt Service		\$314,442	\$0	\$89,203	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Debt Service		\$6,288,834	\$0	\$1,784,070	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumulative New Annual Debt Service		\$0	\$148,583	\$314,442	\$360,926	\$403,645	\$403,645	\$403,645	\$403,645	\$403,645	\$403,645

Schedule 11 - Funding Summary by Fund

FY 2018 Water & Sewer Revenue Sufficiency Analysis

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
WATER IMPACT FEES											
Balance At Beginning Of Fiscal Year	\$ -	45,000	-	-	-	-	-	71,176	142,886	215,134	287,924
Additional Annual Revenues	45,000	45,711	46,054	51,039	60,771	70,646	71,176	71,710	72,248	72,790	73,336
Less: Payment Of Debt Service	-	-	-	-	-	-	-	-	-	-	-
Subtotal	\$ 45,000	90,711	46,054	51,039	60,771	70,646	71,176	142,886	215,134	287,924	361,259
Less: Restricted Funds	-	-	-	-	-	-	-	-	-	-	-
Total Amount Available For Projects	\$ 45,000	90,711	46,054	51,039	60,771	70,646	71,176	142,886	215,134	287,924	361,259
Amount Paid For Projects	-	(90,711)	(46,054)	(51,039)	(60,771)	(70,646)	-	-	-	-	-
Subtotal	\$ 45,000	-	-	-	-	-	71,176	142,886	215,134	287,924	361,259
Add Back: Restricted Funds	-	-	-	-	-	-	-	-	-	-	-
Plus: Interest Earnings	169	225	-	-	-	-	712	2,141	3,580	5,031	6,492
Less: Interest Allocated To Cash Flow	(169)	(225)	-	-	-	-	(712)	(2,141)	(3,580)	(5,031)	(6,492)
Balance At End Of Fiscal Year	\$ 45,000	-	-	-	-	-	71,176	142,886	215,134	287,924	361,259
SEWER IMPACT FEES											
Balance At Beginning Of Fiscal Year	\$ -	333,280	-	-	-	-	-	166,166	338,636	517,519	702,929
Additional Annual Revenues	333,280	330,277	336,057	341,938	347,922	354,011	166,166	172,470	178,884	185,410	192,050
Less: Payment Of Debt Service	-	-	-	-	-	-	-	-	-	-	-
Subtotal	\$ 333,280	663,557	336,057	341,938	347,922	354,011	166,166	338,636	517,519	702,929	894,979
Less: Restricted Funds	-	-	-	-	-	-	-	-	-	-	-
Total Amount Available For Projects	\$ 333,280	663,557	336,057	341,938	347,922	354,011	166,166	338,636	517,519	702,929	894,979
Amount Paid For Projects	-	(663,557)	(336,057)	(341,938)	(347,922)	(354,011)	-	-	-	-	-
Subtotal	\$ 333,280	-	-	-	-	-	166,166	338,636	517,519	702,929	894,979
Add Back: Restricted Funds	-	-	-	-	-	-	-	-	-	-	-
Plus: Interest Earnings	1,250	1,666	-	-	-	-	1,662	5,048	8,562	12,204	15,979
Less: Interest Allocated To Cash Flow	(1,250)	(1,666)	-	-	-	-	(1,662)	(5,048)	(8,562)	(12,204)	(15,979)
Balance At End Of Fiscal Year	\$ 333,280	-	-	-	-	-	166,166	338,636	517,519	702,929	894,979
ASSESSMENT FUND											
Balance At Beginning Of Fiscal Year	\$ 257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960
Additional Annual Revenues	-	-	-	-	-	-	-	-	-	-	-
Less: Payment Of Debt Service	-	-	-	-	-	-	-	-	-	-	-
Subtotal	\$ 257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960
Less: Restricted Funds	-	-	-	-	-	-	-	-	-	-	-
Total Amount Available For Projects	\$ 257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960
Amount Paid For Projects	-	-	-	-	-	-	-	-	-	-	-
Subtotal	\$ 257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960
Add Back: Restricted Funds	-	-	-	-	-	-	-	-	-	-	-
Plus: Interest Earnings	1,935	2,580	3,225	3,869	4,514	5,159	5,159	5,159	5,159	5,159	5,159
Less: Interest Allocated To Cash Flow	(1,935)	(2,580)	(3,225)	(3,869)	(4,514)	(5,159)	(5,159)	(5,159)	(5,159)	(5,159)	(5,159)
Balance At End Of Fiscal Year	\$ 257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960	257,960
CAPITAL FUND											
Balance At Beginning Of Fiscal Year	\$ 640,653	-	-	-	-	-	-	-	-	-	-
Additional Annual Revenues	300,000	-	-	-	-	-	-	-	-	-	-
Less: Payment Of Debt Service	-	-	-	-	-	-	-	-	-	-	-
Subtotal	\$ 940,653	-	-	-	-	-	-	-	-	-	-
Less: Restricted Funds	-	-	-	-	-	-	-	-	-	-	-
Total Amount Available For Projects	\$ 940,653	-	-	-	-	-	-	-	-	-	-
Amount Paid For Projects	(940,653)	-	-	-	-	-	-	-	-	-	-
Subtotal	\$ -	-	-	-	-	-	-	-	-	-	-
Add Back: Restricted Funds	-	-	-	-	-	-	-	-	-	-	-
Plus: Interest Earnings	2,402	-	-	-	-	-	-	-	-	-	-
Less: Interest Allocated To Cash Flow	(2,402)	-	-	-	-	-	-	-	-	-	-
Balance At End Of Fiscal Year	\$ -	-	-	-	-	-	-	-	-	-	-

Schedule 11 - Funding Summary by Fund

FY 2018 Water & Sewer Revenue Sufficiency Analysis

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
<u>RENEWAL & REPLACEMENT</u>											
Balance At Beginning Of Fiscal Year	\$ 1,636,432	1,980,485	-	-	-	-	-	-	-	-	-
Additional Annual Revenues	708,400	-	-	-	-	-	-	-	-	-	-
Less: Payment Of Debt Service	-	-	-	-	-	-	-	-	-	-	-
Subtotal	\$ 2,344,832	1,980,485	-	-	-	-	-	-	-	-	-
Less: Restricted Funds	-	-	-	-	-	-	-	-	-	-	-
Total Amount Available For Projects	\$ 2,344,832	1,980,485	-	-	-	-	-	-	-	-	-
Amount Paid For Projects	(364,347)	(1,980,485)	-	-	-	-	-	-	-	-	-
Subtotal	\$ 1,980,485	-	-	-	-	-	-	-	-	-	-
Add Back: Restricted Funds	-	-	-	-	-	-	-	-	-	-	-
Plus: Interest Earnings	13,563	9,902	-	-	-	-	-	-	-	-	-
Less: Interest Allocated To Cash Flow	(13,563)	(9,902)	-	-	-	-	-	-	-	-	-
Balance At End Of Fiscal Year	\$ 1,980,485	-	-	-	-	-	-	-	-	-	-
<u>REVENUE FUND</u>											
Balance At Beginning Of Fiscal Year	\$ 1,088,543	1,723,068	2,906,074	4,938,484	6,061,677	6,239,624	6,965,712	7,123,250	7,478,180	8,161,599	9,164,204
Additional Annual Revenues	634,525	2,019,997	2,073,507	2,262,878	2,403,949	2,722,254	3,007,307	3,280,318	3,686,433	4,085,306	4,479,609
Less: Cash-Funded Capital Projects	-	-	-	-	-	-	-	-	-	-	-
Less: Payment Of Debt Service	-	-	-	-	-	-	-	-	-	-	-
Subtotal	\$ 1,723,068	3,743,066	4,979,581	7,201,361	8,465,626	8,961,878	9,973,019	10,403,568	11,164,613	12,246,904	13,643,813
Less: Restricted Funds	(1,723,068)	(2,906,074)	(4,938,484)	(6,061,677)	(6,239,624)	(6,370,208)	(6,527,904)	(6,712,597)	(6,854,926)	(7,025,653)	(7,224,940)
Total Amount Available For Projects	\$ -	836,992	41,097	1,139,684	2,226,002	2,591,670	3,445,115	3,690,970	4,309,687	5,221,251	6,418,873
Amount Paid For Projects	-	(836,992)	(41,097)	(1,139,684)	(2,226,002)	(1,996,165)	(2,849,769)	(2,925,388)	(3,003,015)	(3,082,701)	(3,164,501)
Subtotal	\$ -	-	-	-	-	595,505	595,346	765,582	1,306,672	2,138,550	3,254,372
Add Back: Restricted Funds	1,723,068	2,906,074	4,938,484	6,061,677	6,239,624	6,370,208	6,527,904	6,712,597	6,854,926	7,025,653	7,224,940
Plus: Interest Earnings	10,544	23,146	49,028	82,501	107,636	132,053	140,890	146,014	156,398	173,258	196,435
Less: Interest Allocated To Cash Flow	(10,544)	(23,146)	(49,028)	(82,501)	(107,636)	(132,053)	(140,890)	(146,014)	(156,398)	(173,258)	(196,435)
Balance At End Of Fiscal Year	\$ 1,723,068	2,906,074	4,938,484	6,061,677	6,239,624	6,965,712	7,123,250	7,478,180	8,161,599	9,164,204	10,479,312
<u>RESTRICTED RESERVES</u>											
Balance At Beginning Of Fiscal Year	\$ 1,902,382	1,902,382	2,216,823	2,216,823	2,306,027	2,306,027	2,306,027	2,306,027	2,306,027	2,306,027	2,306,027
Additional Annual Revenues:	-	-	-	-	-	-	-	-	-	-	-
Debt Service Reserve on New Debt	-	314,442	-	89,203	-	-	-	-	-	-	-
Other Additional Funds	-	-	-	-	-	-	-	-	-	-	-
Subtotal	\$ 1,902,382	2,216,823	2,216,823	2,306,027	2,306,027	2,306,027	2,306,027	2,306,027	2,306,027	2,306,027	2,306,027
Plus: Interest Earnings	14,268	20,596	27,710	33,921	40,355	46,121	46,121	46,121	46,121	46,121	46,121
Less: Interest Allocated To Cash Flow	(14,268)	(20,596)	(27,710)	(33,921)	(40,355)	(46,121)	(46,121)	(46,121)	(46,121)	(46,121)	(46,121)
Balance At End Of Fiscal Year	\$ 1,902,382	2,216,823	2,216,823	2,306,027	2,306,027	2,306,027	2,306,027	2,306,027	2,306,027	2,306,027	2,306,027