

CITY OF HALLANDALE BEACH, FLORIDA



Hallandale Beach
PROGRESS. INNOVATION. OPPORTUNITY.

WATER, WASTEWATER, AND STORMWATER UTILITY RATE STUDY

–Study as of August 15, 2018–

–Report Prepared August 20, 2019–



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August 20, 2019

The Honorable Mayor and
Members of the City Commission
City of Hallandale Beach
400 S. Federal Highway
Hallandale Beach, FL 33009

Subject: **Water, Wastewater and Stormwater Utility Rate Study**

Ladies and Gentlemen:

Raftelis Financial Consultants, Inc. ("Raftelis"), formerly Public Resources Management Group, Inc. ("PRMG"), has completed our review of the water, wastewater, and stormwater rates for the City of Hallandale Beach, Florida (the "City") and has summarized the results of our analyses, assumptions, recommendations, and conclusions in this report which is submitted for your consideration. The analysis encompassed a financial evaluation for the five (5) fiscal year period of October 1, 2017 through September 30, 2022 (the "Forecast Period"). Based on the assumptions relied upon in the development of the projected utility system revenues and expenditure needs, Raftelis has identified the need for water and wastewater rate adjustments and no need for stormwater rate adjustments, which are summarized in this report.

The proposed rates are designed to meet a number of goals and objectives. The single most important objective of our analysis was to develop proposed rates that will produce revenues sufficient to meet the projected expenditure requirements of each utility system. Other goals and objectives considered in the study include:

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

The Honorable Mayor and
Members of the City Commission
City of Hallandale Beach
August 20, 2019
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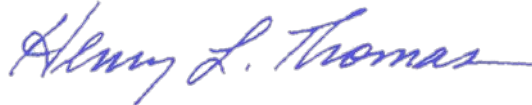
The proposed monthly rates and charges for water, wastewater, and stormwater service are designed to meet the goals and objectives outlined above and should be sufficient to provide for the recovery of the total costs anticipated for each respective system over the Forecast Period.

Following this letter, we have provided an executive summary which briefly summarizes the results of our study and outlines our recommendations and conclusions. The remainder of the report provides additional details regarding the rate and financial analysis conducted on behalf of the City.

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

Respectfully submitted,

Raftelis Financial Consultants, Inc.



Henry L. Thomas
Vice-President



Shawn A. Ocasio
Senior Consultant

HLT/dlc
Attachments

CITY OF HALLANDALE BEACH, FLORIDA
WATER, WASTEWATER, AND STORMWATER UTILITY RATE STUDY

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EXECUTIVE SUMMARY AND RECOMMENDATIONS



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CITY OF HALLANDALE BEACH, FLORIDA

WATER, WASTEWATER, AND STORMWATER UTILITY RATE STUDY

EXECUTIVE SUMMARY AND RECOMMENDATIONS

INTRODUCTION

The City of Hallandale Beach (the "City") is located in Broward County along the southeast coast of Florida. Based on Census reports and population projections provided by the City, the estimated population of the City is approximately 39,500 residents. The City currently provides water, wastewater, and stormwater service to its residents.

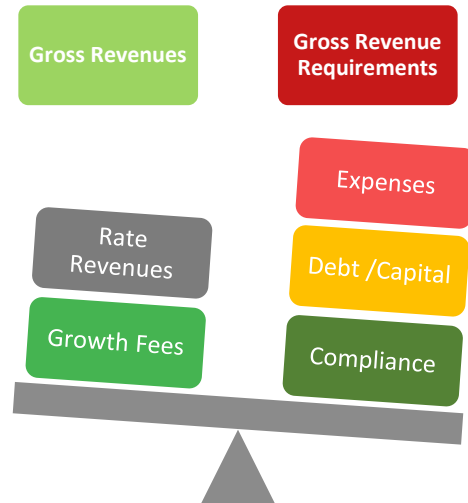
The City's utilities provide essential services on a continual basis and operate in a regulated environment. Regulatory agencies for the utilities include the United States Environmental Protection Agency ("EPA"), the Florida Department of Environmental Protection ("FDEP"), the South Florida Water Management District ("SFWMD"), and the Florida Department of Health.

The City's water, wastewater and stormwater utilities are established as two separate enterprise funds: water and wastewater, and stormwater. Each enterprise fund should have revenues equal to the costs of the services provided and should establish rates sufficient to cover the cost of operating, maintaining, repairing, and financing system operations. According to the Governmental Accounting Standards Board, "Enterprise Funds should be used to account for operations that are financed and operated in a manner similar to private business enterprises – where the intent of the governing body is that costs of providing services to the general public on a continuing basis should be financed or recovered primarily through user charges."

While the City annually reviews the financial position of each system as part of the budgetary process, the City last adjusted its utility rates in October 2017. To evaluate the sufficiency of the current water, wastewater, and stormwater rates, the City authorized Raftelis Financial Consultants, Inc. ("Raftelis"), formerly Public Resources Management Group, Inc. ("PRMG"), to conduct a comprehensive rate analysis to estimate the adequacy of rates through Fiscal Year 2022.

The foundation of the study and the primary objective of the utility rates are to reasonably recover the cost of providing service and the cost of infrastructure investment, as well as to comply with covenants of the outstanding and anticipated future indebtedness and identified fiscal policies / targets (referred to as the "revenue sufficiency" evaluation).

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As shown in the preceding figure, the various components of cost associated with operating and maintaining a municipally owned utility, as well as the cost of financing the renewal and replacement of facilities and capital improvements for upgrades and expansion, are generally referred to as the utility cash revenue requirements. The sum of these cost components, after adjusting for other income and other operating revenues available to the utility, represents the net rate revenue requirements of the utility system.

The revenue requirements for this rate study were predicated on an analysis of water, wastewater, and stormwater costs projected through the fiscal year ending September 30, 2022 (i.e., Fiscal Years 2018 through 2022). The projected revenue requirements included the various generalized cost components described as follows:

- Operating Expenses: Operating expenses include the cost of labor, utilities, operating supplies, repairs and maintenance, allocated General Fund administrative costs, and other items necessary for the operation and maintenance of the utilities.
- Capital Reinvestment: Capital reinvestment includes the amount of annual deposits made from rates to fund ongoing renewals, replacements, improvements, and betterments not financed by the issuance of debt obligations.
- Debt Service: Debt service includes the principal and interest on the City's currently outstanding and any future anticipated debt or loan obligations payable from the net operating revenues of the systems.
- Other Revenue Requirements: This component of cost includes any other funding requirements from rates including, but not limited to, transfers to the General Fund and transfers to reserves for future year expenditures.

The following is a summary of the net revenue requirements derivation:

| |
|---|
| + Cost of Operation and Maintenance |
| + Debt Service Payments (Senior and Subordinate) |
| + Transfers and Administration Payments |
| + Capital Project Financing |
| + Working Capital Reserves / Financial Compliance |
| - Other Operating Revenue |
| - Impact Fees Used to Pay Growth-Related Debt Service |
| - Interest Income |
| <hr/> |
| = Net Revenue Requirements (Funded from User Rates) |

SUMMARY OF STUDY RESULTS

Based on the assumptions relied upon in the development of the projected revenue requirements for each system, Raftelis has identified the need for rate adjustments for the water and wastewater system, but no rate adjustments were identified for the stormwater system. The primary reasons for the water and wastewater rate adjustments include the following:

1. The need to fund annual renewal and replacement requirements and other capital needs of each system, including infrastructure upgrades and replacements for the water and wastewater systems.
2. Increased operating expenses as a result of anticipated inflationary effects on the costs of labor, electricity, fuel, and other major expenditures for the utilities, as well as the need for additional staffing. The Congressional Budget Office has projected the national consumer price index ("CPI") for all urban customers to increase approximately 2.4% per year during the Forecast Period. Due to the need to meet regulatory requirements and the capital-intensive nature of utility operations, utility costs typically increase at a higher rate than general inflation.
3. The need to maintain compliance with debt service coverage ratios associated with existing and anticipated utility indebtedness.
4. The need to maintain adequate operating and capital reserves and margins to provide funds for emergencies.
5. Maintaining the ability of the utilities to fund annual intragovernmental transfers to the General Fund (e.g., payment-in-lieu-of-franchise-fees).

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Based on the financial forecast and funding plan for each system which are described in detail in this report, the following rate adjustments are recommended:

| | Proposed Retail Rate Increases by Fiscal Year | | | | |
|-------------------|--|----------------------|----------------------|----------------------|----------------------|
| | 2018 [*] | 2019 | 2020 | 2021 | 2022 |
| Water System | 0.0% | 0.0% | 3.0% | 3.0% | 3.0% |
| Wastewater System | 0.0% | 0.0% | 2.0% | 2.0% | 2.0% |
| Stormwater | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Effective Date | Oct. 1 st | Oct. 1 st | Oct. 1 st | Oct. 1 st | Oct. 1 st |

[*] The City adopted and implemented a 4.0% rate increase for the water system, a 16.5% rate increase for the wastewater system and a 120.0% rate increase for the stormwater system effective October 1, 2017 (i.e., the start of Fiscal Year 2018). The proposed rate increases shown are for adjustments to follow those already implemented rate changes.

The adjustments shown above have been reviewed by City staff and are considered to be representative of the increases in costs to effectively operate and maintain the water, wastewater, and stormwater systems.

Sections 1 and 2 of this report, which follow this section, summarize the major assumptions, considerations, and analyses used to evaluate the sufficiency of the water, wastewater, and stormwater rates.

FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

Based on our studies, assumptions, considerations, and analyses, Raftelis offers the following findings and conclusions for consideration by the City Council:

1. The City's existing user rates for water and wastewater services are not anticipated to be adequate to fully recover the City's projected revenue requirements during the Forecast Period. The City's existing rates for stormwater service are anticipated to be adequate to fully recover the City's projected revenue requirements during the Forecast Period.
2. The City should consider adopting the proposed water adjustments as previously described in this Executive Summary. The proposed adjustment for Fiscal Year 2020 represents a 3.0% increase over the existing water rates.
3. The City should consider adopting the proposed wastewater rates as previously described in this Executive Summary. The proposed adjustment for Fiscal Year 2020 represents a 2.0% increase over the existing wastewater retail rates.
4. The City should hold its stormwater rates constant as previously described in this Executive Summary.
5. The City should continue performing periodic updates to the financial forecast to ensure that the proposed rate adjustments for the Forecast Period remain adequate based on the potential for changing circumstances, particularly as it relates to the cost of wholesale wastewater treatment service provided by the City of Hollywood.

6. The City should consider the development of a wholesale wastewater treatment pass-through clause to ensure full recovery of future costs from the City of Hollywood.

Following the Executive Summary, the remainder of this report outlines the assumptions for the projected revenues and expenditures for each enterprise fund.

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SECTION 1

WATER AND WASTEWATER SYSTEMS



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CITY OF HALLANDALE BEACH, FLORIDA

WATER, WASTEWATER, AND STORMWATER UTILITY RATE STUDY

SECTION 1 – WATER AND WASTEWATER SYSTEMS

INTRODUCTION

The purpose of this section is to summarize the development of proposed water and wastewater rates sufficient to recover the cost of operating, maintaining, repairing, and financing the water and wastewater systems as projected through Fiscal Year 2022. As outlined in this report, water and wastewater rate adjustments are proposed in order to support the revenue requirements projected for the water and wastewater systems. The City's current capital improvement program reflects capital investments to upgrade and replace aging water transmission and distribution lines and to rehabilitate portions of the City's wastewater collection system. Additionally, there are significant capital costs associated with expanding the water and wastewater system that are expected to be funded through the use of reserves, water and wastewater impact fees, and additional debt. Based on the projected operating results, the City can meet the projected water and wastewater system revenue requirements (i.e., expenditures) for Fiscal Years 2018 through 2022 with the following annual adjustments:

| | Proposed Retail Rate Increases by Fiscal Year [1] | | | | |
|-------------------|---|----------------------|----------------------|----------------------|----------------------|
| | 2018 [2] | 2019 | 2020 | 2021 | 2022 |
| Water System | 0.0% | 0.0% | 3.0% | 3.0% | 3.0% |
| Wastewater System | 0.0% | 0.0% | 2.0% | 2.0% | 2.0% |
| Effective Date | Oct. 1 st | Oct. 1 st | Oct. 1 st | Oct. 1 st | Oct. 1 st |

[1] Increases shown summarized on Tables 1-1 and 1-2.

[2] The City adopted and implemented a 4.0% rate increase for the water, a 16.5% rate increase for the wastewater system and a 120.0% rate increase for the stormwater system effective October 1, 2017 (i.e., the start of Fiscal Year 2018). The proposed rate increases shown are for adjustments to follow those already implemented rate changes.

The primary reasons for the recommended rate increases shown above include:

1. Increased operating expenses as a result of anticipated inflationary effects on the costs of labor, electricity, fuel, and other major expenditures for the water and wastewater systems, as well as the need for additional staffing.
2. The need to fund annual renewal and replacement requirements and other capital needs of the water and wastewater systems.
3. The need to maintain compliance with debt service coverage ratios associated with existing and anticipated utility indebtedness. The capital program funding plan recognizes the use of additional utility indebtedness to finance expansion-related water projects.
4. The need to maintain adequate operating and capital reserves and margins to provide funds for emergencies (e.g., hurricane preparedness).

5. Maintaining the ability of the water and wastewater enterprise to fund annual intragovernmental transfers to the General Fund (e.g., payment-in-lieu-of-franchise-fees).

The recommendations of this study are based on a financial forecast developed for the water and wastewater systems and this section discusses the study assumptions, considerations, goals, and recommendations. The study began with the identification of utility operating and capital needs, next considered the capital financing plan and, finally, established the timing of rate adjustments and borrowing to fund the projected revenue requirements. The financial forecast serves as the basis for the rate recommendations for Fiscal Years 2018 through 2022 (the "Forecast Period").

REVENUE FORECAST

The City of Hallandale Beach has recently been experiencing low customer growth within its water and wastewater systems; however, there are opportunities to extend water and wastewater services to new properties, which the City is actively pursuing. The City has developed a Downtown Activity Center Program based on the expansion of water and wastewater lines into new areas and redevelopment into existing areas.

Tables 1-1 and 1-2, at the end of this section, summarize the assumptions regarding the new growth for the Forecast Period. Based on the information provided in Tables 1-1 and 1-2 and discussions with the City staff, it is estimated that approximately 1,925 new water customers and 1,829 new wastewater customers will connect to the water and wastewater systems by Fiscal Year 2022. Therefore, future revenues from existing monthly user rates are assumed to increase over the Forecast Period by approximately \$1.60 million annually by Fiscal Year 2022.

Water rate revenues are projected for Fiscal Year 2018 at \$10.3 million and increasing to approximately \$11.0 million by Fiscal Year 2022. Wastewater rate revenues are projected for Fiscal Year 2018 at \$14.2 million and increasing to approximately \$15.1 million by Fiscal Year 2022. The rate revenues projected under existing rates are shown in Tables 1-3 and 1-4 at the end of this section.

The City also collects other income for the water and wastewater systems such as delinquent fees, turn-on / turn-off fees, tap fees, and other related utility charges. The System also receives a transfer for services rendered from the CRA Fund, the Sanitation Fund, the Cemetery Fund and the Stormwater Fund. The City budgets this income annually, and based on the projected customer growth, our analysis assumed that such revenues and income would increase significantly in future years. Other revenues are projected to increase from approximately \$1.01 million to \$1.63 million over the Forecast Period, and the majority of this growth relates to meter tap fees associated with new accounts connecting as a result of the projected growth. Additionally, the City collects impact fees from new growth which are projected to be approximately \$190,000 in 2018 and then average \$1.3 million in Fiscal Years 2019 through 2022.

REVENUE REQUIREMENTS

The various expenditures associated with operating and maintaining a municipally owned utility system, as well as the cost of financing the renewal and replacement of facilities and capital improvements for upgrades and expansion, are generally referred to as the utility revenue

requirements. The sum of these cost components, after adjusting for other income and miscellaneous utility revenues, represents the net revenue requirements. The revenue requirements for this rate analysis are predicated on an analysis of water and wastewater costs for the Forecast Period.

PRINCIPAL ASSUMPTIONS AND CONSIDERATIONS

The projected revenue requirements are shown on Tables 1-18 and 1-19 at the end of this section for the water and wastewater systems, respectively, and are also summarized on a combined system basis in Table 1-20. The projected revenue requirements reflect certain assumptions, considerations and analyses as follows:

1. As shown in Tables 1-7 and 1-8, the adopted Fiscal Year 2018 Budget associated with the operations of the water and wastewater utility systems served as the basis for the expenditure projections shown in detail in Tables 1-9 and 1-10 at the end of this section.
2. The operating and maintenance expenses of the water and wastewater systems for Fiscal Year 2018 are projected for the remaining four (4) years of the Forecast Period (i.e., through Fiscal Year 2022) as illustrated in Tables 1-9 and 1-10 for the water and wastewater systems, respectively. The following summarizes a few of the general cost escalation factors used to project future expenditures that can be found on Table 1-11 at the end of this section:
 - a. Labor-Related Increases = 3.0% annually.
 - b. Health Insurance = 10.0% annually.
 - c. Professional / Contractual Services = 3.0% annually.
 - d. Utility and Fuel Costs = 5.0% annually.
 - e. Repairs and Maintenance Expenses = 3.0% annually.
 - f. Costs assumed to be based on projected changes in the CPI = approximately 2.4% per year as represented in "The Budget and Economic Outlook: An Update" published by the Congressional Budget Office in June 2017.

Also included in the expense projections are the costs associated with the hiring of a new Public Service Worker in Fiscal Year 2021 for approximately \$58,000 per year including benefits.

3. The City currently has a bulk agreement whereby it purchases wastewater treatment capacity and service from the City of Hollywood, Florida. Based on the sales projections in Table 1-2, an allowance for infiltration and inflow ("I&I") of 37% (based on historical data provided by the City), and the rates for service charged by the City of Hollywood (assumed to increase by 5% per year), this operating cost is projected to increase from \$9.5 million in 2018 to \$11.7 million in 2022. However, the City also has an ongoing project / program in its capital improvement plan that intends to reduce the I&I from 37% to 24% over the

Forecast Period. This project is anticipated to reduce the projected bulk wastewater treatment costs over the forecast period down to \$10.7 million (from \$11.7 million) by 2022. The projected wastewater treatment costs do not include any cost increases due to the City of Hollywood's implementation of new ocean outfalls to upgrade the effluent disposal system, as such costs are not fully known at this time. In addition to the projected bulk wastewater costs described above, an allowance for bulk wastewater true-up costs was assumed in all years of the Forecast Period. Based on information provided by and discussions with the City, an allowance of \$1.0 million per year was assumed to be funded from rate revenues for these true up payment costs.

4. The capital expenditures for the water and wastewater systems are based on estimated project costs included in the City's capital improvement program ("CIP"), which includes the current year (Fiscal Year 2018) through Fiscal Year 2022. Table 1-14 at the end of this section provides a detailed listing of the planned water and wastewater capital projects during the Forecast Period. In general, the major expenditures in the CIP include water plant expansion projects, water main replacement and upgrades, wastewater lift station and main replacements and upgrades, and ongoing capital outlay associated with vehicles and equipment.
5. The following table summarizes the anticipated sources of cash that are assumed to be used to fund the CIP as derived from Table 1-14:

| Summary of Capital Funding Sources [*] | | |
|---|---------------------|-------------|
| Description | Amount | Percent |
| Rate Revenues | \$11,505,016 | 24% |
| Operating Fund | 5,084,037 | 11% |
| Renewal and Replacement Fund | 4,876,048 | 10% |
| Impact Fees | 2,526,376 | 5% |
| Proposed New Debt | 7,768,684 | 17% |
| Proportionate Share Revenues | 15,605,161 | 33% |
| Total Capital Funding Sources | <u>\$47,365,322</u> | <u>100%</u> |

[*] Amounts derived from Table 1-14.

6. As shown in Table 1-15, the water and wastewater systems have outstanding debt requiring annual principal and interest payments of approximately \$960,000 per year. Such existing debt is comprised of two bank loans and a junior lien state revolving fund ("SRF") loan. In addition to making the annual debt service payments, the City is required to ensure that revenues available for debt provide a senior lien margin (or coverage) of 115% and that net revenues provide a junior lien margin of 115% (after the payment of senior lien debt, including coverage).
7. In order to fund the CIP and minimize rate impacts an additional debt issuance is projected. The CIP shown in Table 1-14 uses approximately \$7.8 million in new debt funding over the Forecast Period through one new loan. Based on discussions with the City staff, the City plans to pursue a 15-year term bank note with an estimated interest cost of 4.50% per

year. The incremental increase in debt service payments associated with this proposed loan starts in Fiscal Year 2020 and is approximately \$816,000 per year.

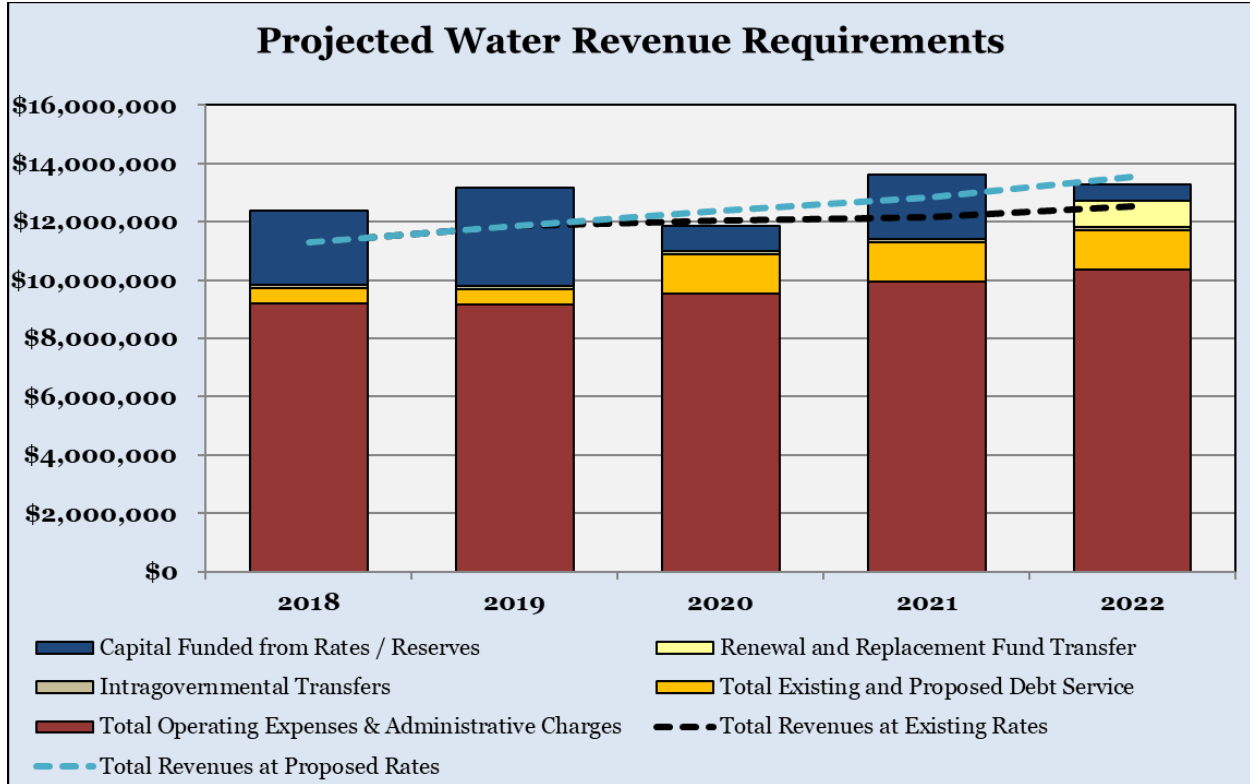
8. In order to meet the asset replacement needs included in the CIP, as discussed earlier, and to maintain the City's target balance policy of having 7.5% of prior year's revenues on deposit in the Renewal and Replacement Fund ("R&R"), a deposit to the Renewal and Replacement Fund is anticipated to be required during the Forecast Period. The R&R Fund is projected to be over the targeted balance during most of the forecast period as shown in Tables 1-16, 1-21, and 1-22 at the end of this section. However, in Fiscal Year 2022 it is anticipated that a deposit will need to be made from annual revenues to maintain the City's targeted R&R Fund balance policy. This future deposit is anticipated to be approximately \$887,000. Future fiscal years (outside our Forecast Period) may require additional deposits depending on the water and wastewater system's capital needs and fund balances at that time.
9. Based on the proposed Fiscal Year 2018 Budget, the water and wastewater systems will transfer \$111,600 to the General Liability Self Insurance Fund. As shown in Table 1-17 at the end of this section, this amount is funded during each year of the Forecast Period for approximately \$119,000 per year on average.
10. The water and wastewater systems should have adequate cash reserves in order to meet day-to-day funding needs and any unexpected emergencies requiring immediate financial resources. Based on discussions with the City staff, a financial target of at least 120 days of annual revenues was established for the operating fund since the utility is capital-intensive and must be able to cover unforeseen or emergency expenditures. Additionally, the City maintains a target balance of 7.5% of prior year revenues for the Renewal and Replacement Fund. The following tabulation, which is derived from Tables 1-21 and 1-22 at the end of this section, summarizes the projected cash balances for each fiscal year of the Forecast Period based on the implementation of the proposed water and wastewater rate increases recommended herein:

| Projected Year-Ending Cash Balances at Proposed Rates [*] | | | | | |
|--|--|---------------------|---------------------|---------------------|---------------------|
| Description | Projected Fiscal Year Ending September 30, | | | | |
| | 2018 | 2019 | 2020 | 2021 | 2021 |
| Operating Fund | \$11,846,970 | \$9,616,719 | \$10,754,686 | \$9,977,353 | \$11,056,611 |
| Reserve for Equipment | 1,118,597 | 1,118,597 | 1,118,597 | 1,118,597 | 1,118,597 |
| Customer Deposits | 1,829,462 | 1,829,462 | 1,829,462 | 1,829,462 | 1,829,462 |
| Renewal and Replacement Fund | 6,251,233 | 5,027,233 | 3,751,990 | 2,450,490 | 2,261,826 |
| Construction Fund | 0 | 0 | 3,655,574 | 0 | 0 |
| Impact Fee Funds | 455,401 | 1,737,374 | 3,050,867 | 2,244,803 | 3,872,426 |
| Total Ending Cash | <u>\$21,501,662</u> | <u>\$19,329,384</u> | <u>\$24,161,176</u> | <u>\$17,620,705</u> | <u>\$20,138,921</u> |
| Operating Fund Days of Annual Revenues | 177 | 141 | 152 | 135 | 144 |
| Unrestricted Cash Days of Annual Revenues | 286 | 231 | 220 | 184 | 188 |

[*] Amounts shown based on Tables 1-21 and 1-22.

WATER AND WASTEWATER SYSTEM REVENUE REQUIREMENTS SUMMARY

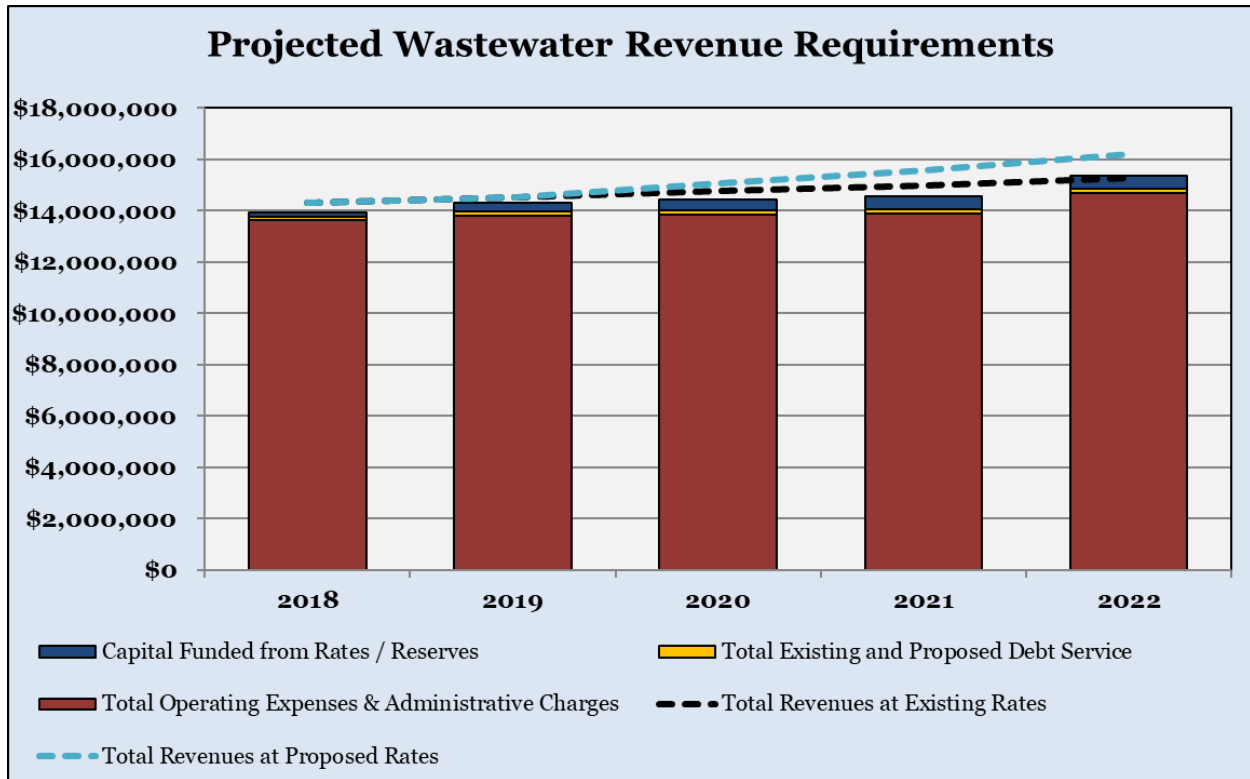
The projected net revenue requirements through Fiscal Year 2022 for the City's water system to be recovered from user rates are shown in Table 1-18 at the end of this section and summarized in the chart below as follows:



As can be seen in the summary above, the estimated gross revenue requirements for the water system for the Forecast Period are anticipated to increase by approximately 7.5% in total or 1.8% per year on average.

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The corresponding net revenue requirements projected through Fiscal Year 2022 for the wastewater system are shown in Table 1-19 at the end of this section and summarized as in the chart below as follows:

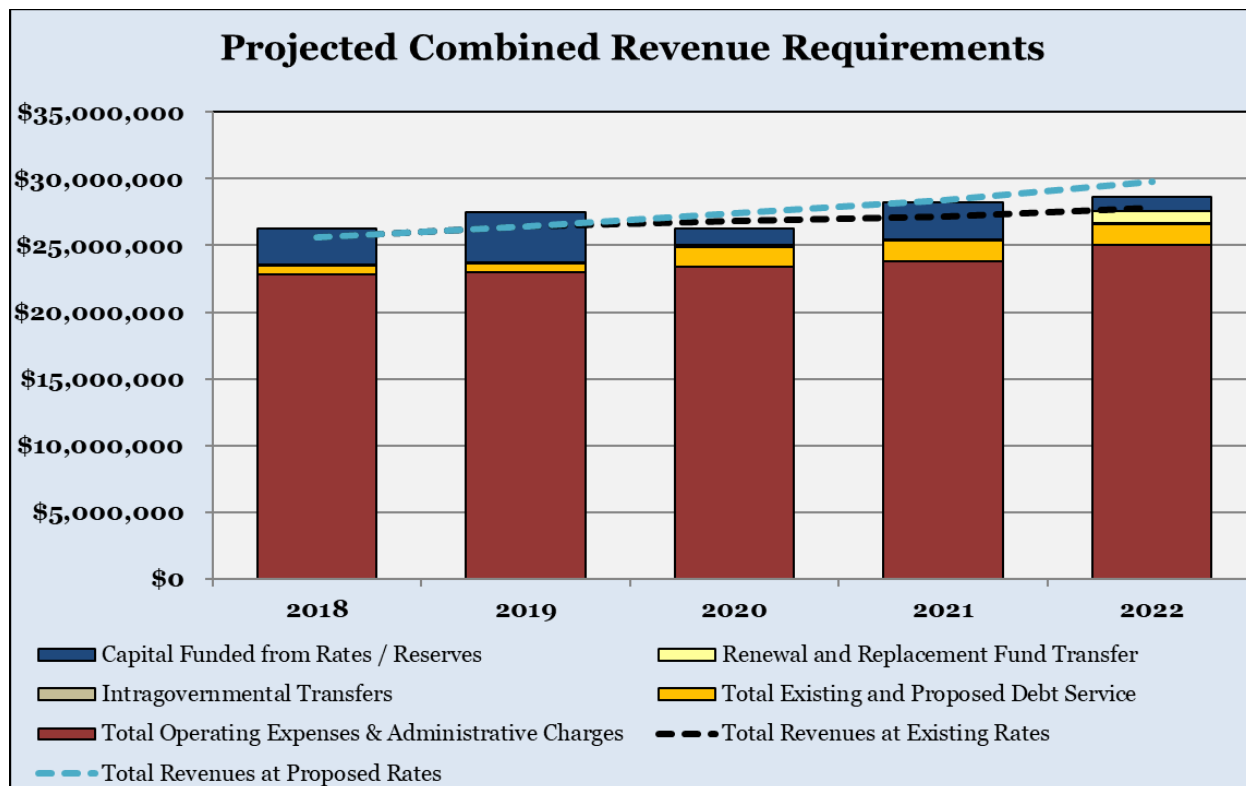


As can be seen in the above summary, the estimated gross revenue requirements for the wastewater system for the Forecast Period are anticipated to increase by approximately 10.5% in total or 2.5% per year on average.

ADEQUACY OF EXISTING UTILITY RATE REVENUES

As shown in Table 1-20 at the end of this section, based on the forecast of sales and revenues for the water and wastewater systems and the assumptions and considerations set forth herein with respect to the estimation of water and wastewater system revenue requirements, the existing rate revenue deficiencies for the Forecast Period are anticipated to be as follows:

(Remainder of page intentionally left blank)



As shown above for the combined water and wastewater systems, an annual increase of 3% for Fiscal Years 2020 through 2022 in the water rates and an annual 2.0% wastewater rate increase is recommended for bills rendered on or after October 1st of each fiscal year. If the proposed increases are adopted, it is estimated that revenues would: i) meet the projected net revenue requirements of the water and wastewater systems by Fiscal Year 2022; ii) exceed the minimum debt service coverage requirements on existing and future debt; and iii) achieve unrestricted cash reserves of approximately 120 days of annual rate revenues.

DEBT SERVICE COMPLIANCE

In addition to funding the net revenue requirements (i.e., expenditure requirements), the proposed water and wastewater rates must be sufficient to meet the debt service coverage requirements of the City's existing and proposed debt. The City's outstanding senior lien loan agreements require the City to maintain rates adequate to achieve a minimum 1.15 debt service coverage ratio on senior lien debt. The debt service coverage ratio is calculated as a ratio of gross system revenues less the sum of operating expenses and required transfers to debt service payments. Additionally, the City must achieve a junior lien debt service coverage ratio of 1.15 after the payment of senior lien debt, including senior lien coverage. Based on the adoption of the proposed rate increases, the City is anticipated to be in compliance with the rate covenants as shown in Table 1-23 at the end of this section.

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PROPOSED WATER AND WASTEWATER RATES AND COMPARISONS

In accordance with the rate design guidelines, customer forecast, projected net revenue requirements, and discussions with City staff, Raftelis developed the proposed water and wastewater user rates adjustments as described in the Executive Summary. Since Raftelis considers the City's current water and wastewater rate structure to be adequate, the proposed adjustments were applied uniformly or "across-the-board" to the existing rates. Tables 1-24 through 1-26 at the end of this section provide detailed water and wastewater rate comparisons with the charges of neighboring jurisdictions. The proposed water and wastewater rates effective for bills rendered on October 1, 2019 are competitive with other residential charges for neighboring utilities, as shown below:

| Residential Water and Wastewater Monthly Bill Comparison [*] | | | |
|---|------------------------------------|------------|----------|
| Description | 3/4" Meter – 5,000 Monthly Gallons | | |
| | Water | Wastewater | Combined |
| City of Hallandale Beach: | | | |
| Existing Rates | \$25.32 | \$40.48 | \$65.80 |
| Proposed Rates – October 2019 (Fiscal Year 2020) | 26.06 | 41.28 | 67.34 |
| Other Florida Utilities [*] | \$32.21 | \$42.04 | \$74.25 |

[*] Based on a survey of 22 other Florida utilities at an average monthly usage of 5,000 gallons per month which is the City's average monthly usage per residential account.

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City of Hallandale Beach, Florida
Water and Wastewater Utility Rate Study



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Appendix 1 Water and Wastewater System Financial Dashboards and Performance Metrics

Table 1-1
City of Hallandale Beach
Water and Wastewater Utility Rate Study

Summary of Projected Water Customer Growth and Billing Determinants

| Line No. | Description | Historical [1] 2017 | Projected Fiscal Year Ending September 30, | | | | |
|---------------------|---|------------------------|--|-----------|-----------|-----------|-----------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| WATER SYSTEM | | | | | | | |
| Water Service | | | | | | | |
| Single Family | | | | | | | |
| 1 | Annual Average Units | 5,008 | 5,081 | 5,608 | 6,147 | 6,636 | 7,304 |
| 2 | Average Growth in Accounts | N/A | 61 | 442 | 452 | 410 | 560 |
| 3 | Annual Average Accounts | 4,172 | 4,233 | 4,675 | 5,127 | 5,537 | 6,097 |
| 4 | Average Monthly Use per Account (Gallons) | 5,836 | 5,828 | 5,773 | 5,728 | 5,693 | 5,653 |
| 5 | Average Monthly Use per Unit (Gallons) | 4,862 | 4,855 | 4,813 | 4,777 | 4,750 | 4,718 |
| 6 | Total Projected Consumption (000s) | 292,173 | 296,020 | 323,891 | 352,394 | 378,248 | 413,560 |
| Multi-Family | | | | | | | |
| 7 | Annual Average Units | 23,120 | 23,120 | 23,120 | 23,120 | 23,120 | 23,120 |
| 8 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 9 | Annual Average Accounts | 1,025 | 1,025 | 1,025 | 1,025 | 1,025 | 1,025 |
| 10 | Average Monthly Use per Account (Gallons) | 81,377 | 81,377 | 81,377 | 81,377 | 81,377 | 81,377 |
| 11 | Average Monthly Use per Unit (Gallons) | 3,608 | 3,608 | 3,608 | 3,608 | 3,608 | 3,608 |
| 12 | Total Projected Consumption (000s) | 1,000,933 | 1,000,933 | 1,000,933 | 1,000,933 | 1,000,933 | 1,000,933 |
| Commercial | | | | | | | |
| 13 | Annual Average Units | 2,420 | 2,420 | 2,420 | 2,420 | 2,420 | 2,420 |
| 14 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 15 | Annual Average Accounts | 747 | 747 | 747 | 747 | 747 | 747 |
| 16 | Average Monthly Use per Account (Gallons) | 37,892 | 37,892 | 37,892 | 37,892 | 37,892 | 37,892 |
| 17 | Average Monthly Use per Unit (Gallons) | 11,696 | 11,696 | 11,696 | 11,696 | 11,696 | 11,696 |
| 18 | Total Projected Consumption (000s) | 339,665 | 339,665 | 339,665 | 339,665 | 339,665 | 339,665 |
| City | | | | | | | |
| 19 | Annual Average Units | 30 | 30 | 30 | 30 | 30 | 30 |
| 20 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 21 | Annual Average Accounts | 29 | 29 | 29 | 29 | 29 | 29 |
| 22 | Average Monthly Use per Account (Gallons) | 31,261 | 31,261 | 31,261 | 31,261 | 31,261 | 31,261 |
| 23 | Average Monthly Use per Unit (Gallons) | 30,219 | 30,219 | 30,219 | 30,219 | 30,219 | 30,219 |
| 24 | Total Projected Consumption (000s) | 10,879 | 10,879 | 10,879 | 10,879 | 10,879 | 10,879 |
| Total Water Service | | | | | | | |
| 25 | Annual Average Units | 30,578 | 30,651 | 31,178 | 31,717 | 32,206 | 32,874 |
| 26 | Average Growth in Accounts | N/A | 61 | 442 | 452 | 410 | 560 |
| 27 | Annual Average Accounts | 5,973 | 6,034 | 6,476 | 6,928 | 7,338 | 7,898 |
| 28 | Average Monthly Use per Account (Gallons) | 22,932 | 22,753 | 21,559 | 20,495 | 19,643 | 18,623 |
| 29 | Average Monthly Use per Unit (Gallons) | 4,479 | 4,479 | 4,478 | 4,477 | 4,476 | 4,474 |
| 30 | Total Projected Consumption (000s) | 1,643,650 | 1,647,497 | 1,675,368 | 1,703,871 | 1,729,725 | 1,765,037 |

Table 1-1
City of Hallandale Beach
Water and Wastewater Utility Rate Study

Summary of Projected Water Customer Growth and Billing Determinants

| Line No. | Description | Historical [1] 2017 | Projected Fiscal Year Ending September 30, | | | | |
|--|---|------------------------|--|---------|---------|---------|---------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| <u>Sprinkler Service (Irrigation)</u> | | | | | | | |
| Single Family | | | | | | | |
| 31 | Annual Average Units | 311 | 311 | 311 | 311 | 311 | 311 |
| 32 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 33 | Annual Average Accounts | 311 | 311 | 311 | 311 | 311 | 311 |
| 34 | Average Monthly Use per Account (Gallons) | 12,361 | 12,361 | 12,361 | 12,361 | 12,361 | 12,361 |
| 35 | Average Monthly Use per Unit (Gallons) | 12,361 | 12,361 | 12,361 | 12,361 | 12,361 | 12,361 |
| 36 | Total Projected Consumption (000s) | 46,132 | 46,132 | 46,132 | 46,132 | 46,132 | 46,132 |
| Multi-Family | | | | | | | |
| 37 | Annual Average Units | 182 | 182 | 182 | 182 | 182 | 182 |
| 38 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 39 | Annual Average Accounts | 182 | 182 | 182 | 182 | 182 | 182 |
| 40 | Average Monthly Use per Account (Gallons) | 92,631 | 92,631 | 92,631 | 92,631 | 92,631 | 92,631 |
| 41 | Average Monthly Use per Unit (Gallons) | 92,631 | 92,631 | 92,631 | 92,631 | 92,631 | 92,631 |
| 42 | Total Projected Consumption (000s) | 202,306 | 202,306 | 202,306 | 202,306 | 202,306 | 202,306 |
| Commercial | | | | | | | |
| 43 | Annual Average Units | 145 | 145 | 145 | 145 | 145 | 145 |
| 44 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 45 | Annual Average Accounts | 145 | 145 | 145 | 145 | 145 | 145 |
| 46 | Average Monthly Use per Account (Gallons) | 39,831 | 39,831 | 39,831 | 39,831 | 39,831 | 39,831 |
| 47 | Average Monthly Use per Unit (Gallons) | 39,831 | 39,831 | 39,831 | 39,831 | 39,831 | 39,831 |
| 48 | Total Projected Consumption (000s) | 69,306 | 69,306 | 69,306 | 69,306 | 69,306 | 69,306 |
| City | | | | | | | |
| 49 | Annual Average Units | 23 | 23 | 23 | 23 | 23 | 23 |
| 50 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 51 | Annual Average Accounts | 23 | 23 | 23 | 23 | 23 | 23 |
| 52 | Average Monthly Use per Account (Gallons) | 75,438 | 75,438 | 75,438 | 75,438 | 75,438 | 75,438 |
| 53 | Average Monthly Use per Unit (Gallons) | 75,438 | 75,438 | 75,438 | 75,438 | 75,438 | 75,438 |
| 54 | Total Projected Consumption (000s) | 20,821 | 20,821 | 20,821 | 20,821 | 20,821 | 20,821 |
| Total Sprinkler Service (Irrigation) | | | | | | | |
| 55 | Annual Average Units | 661 | 661 | 661 | 661 | 661 | 661 |
| 56 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 57 | Annual Average Accounts | 661 | 661 | 661 | 661 | 661 | 661 |
| 58 | Average Monthly Use per Account (Gallons) | 42,683 | 42,683 | 42,683 | 42,683 | 42,683 | 42,683 |
| 59 | Average Monthly Use per Unit (Gallons) | 42,683 | 42,683 | 42,683 | 42,683 | 42,683 | 42,683 |
| 60 | Total Projected Consumption (000s) | 338,565 | 338,565 | 338,565 | 338,565 | 338,565 | 338,565 |

Table 1-1
City of Hallandale Beach
Water and Wastewater Utility Rate Study

Summary of Projected Water Customer Growth and Billing Determinants

| Line No. | Description | Historical [1] 2017 | Projected Fiscal Year Ending September 30, | | | | |
|-------------------------------------|---|------------------------|--|---------|---------|---------|---------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| <u>Cooling Tower Service</u> | | | | | | | |
| Multi-Family | | | | | | | |
| 61 | Annual Average Units | 40 | 40 | 40 | 40 | 40 | 40 |
| 62 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 63 | Annual Average Accounts | 40 | 40 | 40 | 40 | 40 | 40 |
| 64 | Average Monthly Use per Account (Gallons) | 236,835 | 236,835 | 236,835 | 236,835 | 236,835 | 236,835 |
| 65 | Average Monthly Use per Unit (Gallons) | 236,835 | 236,835 | 236,835 | 236,835 | 236,835 | 236,835 |
| 66 | Total Projected Consumption (000s) | 113,681 | 113,681 | 113,681 | 113,681 | 113,681 | 113,681 |
| Commercial | | | | | | | |
| 67 | Annual Average Units | 4 | 4 | 4 | 4 | 4 | 4 |
| 68 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 69 | Annual Average Accounts | 4 | 4 | 4 | 4 | 4 | 4 |
| 70 | Average Monthly Use per Account (Gallons) | 288,042 | 288,042 | 288,042 | 288,042 | 288,042 | 288,042 |
| 71 | Average Monthly Use per Unit (Gallons) | 288,042 | 288,042 | 288,042 | 288,042 | 288,042 | 288,042 |
| 72 | Total Projected Consumption (000s) | 13,826 | 13,826 | 13,826 | 13,826 | 13,826 | 13,826 |
| Total Cooling Tower Service | | | | | | | |
| 73 | Annual Average Units | 44 | 44 | 44 | 44 | 44 | 44 |
| 74 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 75 | Annual Average Accounts | 44 | 44 | 44 | 44 | 44 | 44 |
| 76 | Average Monthly Use per Account (Gallons) | 241,491 | 241,491 | 241,491 | 241,491 | 241,491 | 241,491 |
| 77 | Average Monthly Use per Unit (Gallons) | 241,491 | 241,491 | 241,491 | 241,491 | 241,491 | 241,491 |
| 78 | Total Projected Consumption (000s) | 127,507 | 127,507 | 127,507 | 127,507 | 127,507 | 127,507 |
| <u>Pool Service</u> | | | | | | | |
| Pool Service | | | | | | | |
| 79 | Annual Average Units | 17 | 17 | 17 | 17 | 17 | 17 |
| 80 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 81 | Annual Average Accounts | 17 | 17 | 17 | 17 | 17 | 17 |
| 82 | Average Monthly Use per Account (Gallons) | 62,250 | 62,250 | 62,250 | 62,250 | 62,250 | 62,250 |
| 83 | Average Monthly Use per Unit (Gallons) | 62,250 | 62,250 | 62,250 | 62,250 | 62,250 | 62,250 |
| 84 | Total Projected Consumption (000s) | 12,699 | 12,699 | 12,699 | 12,699 | 12,699 | 12,699 |
| <u>Fireline Service</u> | | | | | | | |
| Single Family | | | | | | | |
| 85 | Annual Average Units | 19 | 19 | 19 | 19 | 19 | 19 |
| 86 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 87 | Annual Average Accounts | 19 | 19 | 19 | 19 | 19 | 19 |
| 88 | Average Monthly Use per Account (Gallons) | 20,868 | 20,868 | 20,868 | 20,868 | 20,868 | 20,868 |
| 89 | Average Monthly Use per Unit (Gallons) | 20,868 | 20,868 | 20,868 | 20,868 | 20,868 | 20,868 |
| 90 | Total Projected Consumption (000s) | 4,758 | 4,758 | 4,758 | 4,758 | 4,758 | 4,758 |

Table 1-1
City of Hallandale Beach
Water and Wastewater Utility Rate Study

Summary of Projected Water Customer Growth and Billing Determinants

| Line No. | Description | Historical [1] 2017 | Projected Fiscal Year Ending September 30, | | | | |
|------------------------|---|------------------------|--|-----------|-----------|-----------|-----------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| Multi-Family | | | | | | | |
| 91 | Annual Average Units | 55 | 55 | 55 | 55 | 55 | 55 |
| 92 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 93 | Annual Average Accounts | 55 | 55 | 55 | 55 | 55 | 55 |
| 94 | Average Monthly Use per Account (Gallons) | 5,905 | 5,905 | 5,905 | 5,905 | 5,905 | 5,905 |
| 95 | Average Monthly Use per Unit (Gallons) | 5,905 | 5,905 | 5,905 | 5,905 | 5,905 | 5,905 |
| 96 | Total Projected Consumption (000s) | 3,897 | 3,897 | 3,897 | 3,897 | 3,897 | 3,897 |
| Commercial | | | | | | | |
| 97 | Annual Average Units | 89 | 89 | 89 | 89 | 89 | 89 |
| 98 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 99 | Annual Average Accounts | 89 | 89 | 89 | 89 | 89 | 89 |
| 100 | Average Monthly Use per Account (Gallons) | 4,167 | 4,167 | 4,167 | 4,167 | 4,167 | 4,167 |
| 101 | Average Monthly Use per Unit (Gallons) | 4,167 | 4,167 | 4,167 | 4,167 | 4,167 | 4,167 |
| 102 | Total Projected Consumption (000s) | 4,450 | 4,450 | 4,450 | 4,450 | 4,450 | 4,450 |
| City | | | | | | | |
| 103 | Annual Average Units | 3 | 3 | 3 | 3 | 3 | 3 |
| 104 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 105 | Annual Average Accounts | 3 | 3 | 3 | 3 | 3 | 3 |
| 106 | Average Monthly Use per Account (Gallons) | 56 | 56 | 56 | 56 | 56 | 56 |
| 107 | Average Monthly Use per Unit (Gallons) | 56 | 56 | 56 | 56 | 56 | 56 |
| 108 | Total Projected Consumption (000s) | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Fireline Service | | | | | | | |
| 109 | Annual Average Units | 166 | 166 | 166 | 166 | 166 | 166 |
| 110 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 111 | Annual Average Accounts | 166 | 166 | 166 | 166 | 166 | 166 |
| 112 | Average Monthly Use per Account (Gallons) | 6,580 | 6,580 | 6,580 | 6,580 | 6,580 | 6,580 |
| 113 | Average Monthly Use per Unit (Gallons) | 6,580 | 6,580 | 6,580 | 6,580 | 6,580 | 6,580 |
| 114 | Total Projected Consumption (000s) | 13,107 | 13,107 | 13,107 | 13,107 | 13,107 | 13,107 |
| TOTAL WATER SYSTEM | | | | | | | |
| 115 | Annual Average Units | 31,466 | 31,539 | 32,066 | 32,605 | 33,094 | 33,762 |
| 116 | Average Growth in Accounts | N/A | 61 | 442 | 452 | 410 | 560 |
| 117 | Annual Average Accounts | 6,861 | 6,922 | 7,364 | 7,816 | 8,226 | 8,786 |
| 118 | Average Monthly Use per Account (Gallons) | 25,938 | 25,756 | 24,525 | 23,411 | 22,506 | 21,406 |
| 119 | Average Monthly Use per Unit (Gallons) | 5,656 | 5,653 | 5,632 | 5,612 | 5,594 | 5,571 |
| 120 | Total Projected Consumption (000s) | 2,135,528 | 2,139,375 | 2,167,246 | 2,195,749 | 2,221,603 | 2,256,915 |

Footnotes:

[1] Amounts based on detailed water billing statistics as provided by the City, which were reconciled against the actual revenues for the period.

Table 1-2
City of Hallandale Beach, Florida
Utility Rate Study

Summary of Projected Wastewater Customer Growth and Billing Determinants

| Line No. | Description | Historical [1] 2017 | Projected Fiscal Year Ending September 30, | | | | |
|--------------------------|---|------------------------|--|-----------|-----------|-----------|-----------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| WASTEWATER SYSTEM | | | | | | | |
| Wastewater Service | | | | | | | |
| Single Family | | | | | | | |
| 1 | Annual Average Units | 4,934 | 5,003 | 5,504 | 6,016 | 6,481 | 7,115 |
| 2 | Average Growth in Accounts | N/A | 58 | 420 | 429 | 390 | 532 |
| 3 | Annual Average Accounts | 4,110 | 4,168 | 4,588 | 5,017 | 5,407 | 5,939 |
| 4 | Average Monthly Use per Account (Gallons) | 5,836 | 5,828 | 5,776 | 5,731 | 5,697 | 5,657 |
| 5 | Average Monthly Use per Unit (Gallons) | 4,861 | 4,855 | 4,814 | 4,780 | 4,753 | 4,722 |
| 6 | Total Projected Consumption (000s) | 287,834 | 291,489 | 317,969 | 345,049 | 369,613 | 403,163 |
| Multi-Family | | | | | | | |
| 7 | Annual Average Units | 22,776 | 22,776 | 22,776 | 22,776 | 22,776 | 22,776 |
| 8 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 9 | Annual Average Accounts | 1,010 | 1,010 | 1,010 | 1,010 | 1,010 | 1,010 |
| 10 | Average Monthly Use per Account (Gallons) | 81,359 | 81,359 | 81,359 | 81,359 | 81,359 | 81,359 |
| 11 | Average Monthly Use per Unit (Gallons) | 3,608 | 3,608 | 3,608 | 3,608 | 3,608 | 3,608 |
| 12 | Total Projected Consumption (000s) | 986,068 | 986,068 | 986,068 | 986,068 | 986,068 | 986,068 |
| Commercial | | | | | | | |
| 13 | Annual Average Units | 2,385 | 2,385 | 2,385 | 2,385 | 2,385 | 2,385 |
| 14 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 15 | Annual Average Accounts | 735 | 735 | 735 | 735 | 735 | 735 |
| 16 | Average Monthly Use per Account (Gallons) | 37,939 | 37,939 | 37,939 | 37,939 | 37,939 | 37,939 |
| 17 | Average Monthly Use per Unit (Gallons) | 11,692 | 11,692 | 11,692 | 11,692 | 11,692 | 11,692 |
| 18 | Total Projected Consumption (000s) | 334,621 | 334,621 | 334,621 | 334,621 | 334,621 | 334,621 |
| City | | | | | | | |
| 19 | Annual Average Units | 30 | 30 | 30 | 30 | 30 | 30 |
| 20 | Average Growth in Accounts | N/A | 0 | 0 | 0 | 0 | 0 |
| 21 | Annual Average Accounts | 29 | 29 | 29 | 29 | 29 | 29 |
| 22 | Average Monthly Use per Account (Gallons) | 30,793 | 30,793 | 30,793 | 30,793 | 30,793 | 30,793 |
| 23 | Average Monthly Use per Unit (Gallons) | 29,767 | 29,767 | 29,767 | 29,767 | 29,767 | 29,767 |
| 24 | Total Projected Consumption (000s) | 10,716 | 10,716 | 10,716 | 10,716 | 10,716 | 10,716 |
| Total Wastewater Service | | | | | | | |
| 25 | Annual Average Units | 30,125 | 30,194 | 30,695 | 31,207 | 31,672 | 32,306 |
| 26 | Average Growth in Accounts | N/A | 58 | 420 | 429 | 390 | 532 |
| 27 | Annual Average Accounts | 5,884 | 5,942 | 6,362 | 6,791 | 7,181 | 7,713 |
| 28 | Average Monthly Use per Account (Gallons) | 22,933 | 22,760 | 21,605 | 20,571 | 19,740 | 18,741 |
| 29 | Average Monthly Use per Unit (Gallons) | 4,479 | 4,479 | 4,478 | 4,477 | 4,476 | 4,474 |
| 30 | Total Projected Consumption (000s) | 1,619,239 | 1,622,894 | 1,649,374 | 1,676,454 | 1,701,018 | 1,734,568 |

Footnotes:

[1] Amounts based on 98.5% of the detailed water billing statistics as provided by the City, which were reconciled against the actual wastewater revenues for the period.

Table 1-3
City of Hallandale Beach
Water and Wastewater Utility Rate Study

Projected Water Revenues at Existing Rates

| Line No. | Description | Historical [1] 2017 | Projected Fiscal Year Ending September 30, 20182019202020212022 | | | | |
|--------------------------------|-------------------------------|------------------------|--|--------------|--------------|--------------|--------------|
| WATER SYSTEM | | | | | | | |
| Water Service | | | | | | | |
| 1 | Single Family | \$1,521,332 | \$1,604,078 | \$1,764,707 | \$1,928,988 | \$2,078,024 | \$2,281,609 |
| 2 | Multi-Family | 6,384,813 | 6,638,233 | 6,638,233 | 6,638,233 | 6,638,233 | 6,638,233 |
| 3 | Commercial | 1,227,749 | 1,277,080 | 1,277,080 | 1,277,080 | 1,277,080 | 1,277,080 |
| | City | 30,877 | 32,126 | 32,126 | 32,126 | 32,126 | 32,126 |
| 4 | Total Water Service | \$9,164,771 | \$9,551,518 | \$9,712,147 | \$9,876,428 | \$10,025,464 | \$10,229,048 |
| Sprinkler Service (Irrigation) | | | | | | | |
| 5 | Single Family | \$160,222 | \$166,656 | \$166,656 | \$166,656 | \$166,656 | \$166,656 |
| 6 | Multi-Family | 265,815 | 276,169 | 276,169 | 276,169 | 276,169 | 276,169 |
| 7 | Commercial | 169,361 | 176,183 | 176,183 | 176,183 | 176,183 | 176,183 |
| | City | 54,303 | 56,510 | 56,510 | 56,510 | 56,510 | 56,510 |
| 8 | Total Sprinkler Service | \$649,701 | \$675,517 | \$675,517 | \$675,517 | \$675,517 | \$675,517 |
| Cooling Tower Service | | | | | | | |
| 9 | Single Family | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 10 | Multi-Family | 136,759 | 142,098 | 142,098 | 142,098 | 142,098 | 142,098 |
| 11 | Commercial | 21,045 | 21,884 | 21,884 | 21,884 | 21,884 | 21,884 |
| 12 | Total Cooling Tower Service | \$157,804 | \$163,981 | \$163,981 | \$163,981 | \$163,981 | \$163,981 |
| 13 | Total Pool Service | \$20,790 | \$21,614 | \$21,614 | \$21,614 | \$21,614 | \$21,614 |
| Fireline Service | | | | | | | |
| 14 | Single Family | \$15,672 | \$16,308 | \$16,308 | \$16,308 | \$16,308 | \$16,308 |
| 15 | Multi-Family | 21,031 | 21,877 | 21,877 | 21,877 | 21,877 | 21,877 |
| 16 | Commercial | 29,834 | 31,032 | 31,032 | 31,032 | 31,032 | 31,032 |
| 17 | City | 686 | 714 | 714 | 714 | 714 | 714 |
| 18 | Total Water Service | \$67,223 | \$69,930 | \$69,930 | \$69,930 | \$69,930 | \$69,930 |
| 19 | SUB-TOTAL WATER SYSTEM | \$10,060,289 | \$10,482,561 | \$10,643,189 | \$10,807,470 | \$10,956,507 | \$11,160,091 |
| 20 | ADJUSTMENT TO REVENUE: -1.45% | (\$145,420) | (\$151,524) | (\$153,846) | (\$156,220) | (\$158,375) | (\$161,317) |
| 21 | TOTAL WATER REVENUES | \$9,914,869 | \$10,331,037 | \$10,489,344 | \$10,651,250 | \$10,798,132 | \$10,998,774 |

Footnotes:

[1] Amounts based on detailed water billing statistics as provided by the City, which were reconciled against the actual revenues for the period.

Table 1-4
City of Hallandale Beach, Florida
Utility Rate Study

Page 1 of 1

Projected Wastewater Revenues at Existing Rates

| Line No. | Description | Historical [1] 2017 | Projected Fiscal Year Ending September 30, | | | | |
|--------------------------|-------------------------------------|----------------------------|--|----------------------------|----------------------------|----------------------------|----------------------------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 | |
| WASTEWATER SYSTEM | | | | | | | |
| | <u>Wastewater Service</u> | | | | | | |
| 1 | Single Family | \$2,063,122 | \$2,434,958 | \$2,666,023 | \$2,902,235 | \$3,116,636 | \$3,409,209 |
| 2 | Multi-Family | 8,158,526 | 9,502,515 | 9,502,515 | 9,502,515 | 9,502,515 | 9,502,515 |
| 3 | Commercial | 1,853,846 | 2,159,094 | 2,159,094 | 2,159,094 | 2,159,094 | 2,159,094 |
| 4 | City | 51,420 | 59,876 | 59,876 | 59,876 | 59,876 | 59,876 |
| 5 | SUB-TOTAL WASTEWATER SYSTEM | <u>\$12,126,914</u> | <u>\$14,156,442</u> | <u>\$14,387,507</u> | <u>\$14,623,720</u> | <u>\$14,838,120</u> | <u>\$15,130,694</u> |
| 6 | ADJUSTMENT TO REVENUE: 0.02% | \$2,445 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 7 | TOTAL WASTEWATER REVENUES | <u><u>\$12,129,359</u></u> | <u><u>\$14,156,442</u></u> | <u><u>\$14,387,507</u></u> | <u><u>\$14,623,720</u></u> | <u><u>\$14,838,120</u></u> | <u><u>\$15,130,694</u></u> |

Footnotes:

[1] Amounts based on approximately 98.5% of the detailed water billing statistics as provided by the City, which were reconciled against the actual wastewater revenues for the period.

Table 1-5
City of Hallandale Beach, Florida
Utility Rate Study

Projected Other Operating Revenues

| Line No. | Description | Adjusted [1] 2018 | Escalation Reference | Fiscal Year Ending September 30, | | | |
|--------------------------|--|----------------------|-------------------------|----------------------------------|-------------|-------------|-------------|
| | | | | 2019 | 2020 | 2021 | 2022 |
| Water System | | | | | | | |
| <u>Other Revenues</u> | | | | | | | |
| 1 | Grease Trap Inspections | \$0 | Constant | \$0 | \$0 | \$0 | \$0 |
| 2 | Connection Charges | 65,000 | WCustGrowth | 470,984 | 481,639 | 436,885 | 596,721 |
| 3 | Water Service Penalties | 86,360 | Constant | 86,360 | 86,360 | 86,360 | 86,360 |
| 4 | Service Charges | 66,000 | Constant | 66,000 | 66,000 | 66,000 | 66,000 |
| 5 | Fire Line Rental | 22,903 | Constant | 22,903 | 22,903 | 22,903 | 22,903 |
| 6 | Fire Line Inspection Fee | 12,952 | Constant | 12,952 | 12,952 | 12,952 | 12,952 |
| 7 | Service Charges - Misc. | 550 | Constant | 550 | 550 | 550 | 550 |
| 8 | Sewer Service Penalties | 0 | Constant | 0 | 0 | 0 | 0 |
| 9 | Admin Charge - CRA Fund | 117,045 | Constant | 117,045 | 117,045 | 117,045 | 117,045 |
| 10 | Admin Charge - Sanitation Fund | 143,187 | Constant | 143,187 | 143,187 | 143,187 | 143,187 |
| 11 | Admin Charge - Cemetery Fund | 12,070 | Constant | 12,070 | 12,070 | 12,070 | 12,070 |
| 12 | Admin Charge - Stormwater | 406,837 | Personnel | 419,042 | 431,613 | 444,562 | 457,899 |
| 13 | FDEP | 0 | Constant | 0 | 0 | 0 | 0 |
| 14 | Interest Income - Main Pool | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 15 | Interest Income - Investments | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 16 | Realized Gain/Loss | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 17 | Unrealized Gain/Loss | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 18 | Sale of Broken Meters | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 19 | Other Miscellaneous Revenue - MIT SSI Phase X | 0 | Constant | 0 | 0 | 0 | 0 |
| 20 | Prior Year Revenue Adjustment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 21 | Miscellaneous Revenue - Other | 0 | Constant | 0 | 0 | 0 | 0 |
| 22 | Appropriations from Unappropriated Surplus - O&M | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 23 | Reappropriation of Fund Balance | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 24 | Gain on Bond Refunding | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 25 | Sale of Fixed Assets | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 26 | Gain / Loss on Asset Disposal | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 27 | Accrued Guaranteed Revenue Charge - Residential | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 28 | Wastewater Facility Charge | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 29 | Total Water System Other Revenues | \$932,904 | | \$1,351,093 | \$1,374,320 | \$1,342,514 | \$1,515,687 |
| Wastewater System | | | | \$9 | \$11 | \$13 | \$15 |
| <u>Other Revenues</u> | | | | | | | |
| 30 | Grease Trap Inspections | \$9,750 | Constant | \$9,750 | \$9,750 | \$9,750 | \$9,750 |
| 31 | Connection Charges | 0 | SCustGrowth | 0 | 0 | 0 | 0 |
| 32 | Water Service Penalties | 0 | Constant | 0 | 0 | 0 | 0 |
| 33 | Service Charges | 0 | Constant | 0 | 0 | 0 | 0 |
| 34 | Fire Line Rental | 0 | Constant | 0 | 0 | 0 | 0 |
| 35 | Fire Line Inspection Fee | 0 | Constant | 0 | 0 | 0 | 0 |
| 36 | Service Charges - Misc. | 0 | Constant | 0 | 0 | 0 | 0 |
| 37 | Sewer Service Penalties | 106,680 | Constant | 106,680 | 106,680 | 106,680 | 106,680 |
| 38 | Admin Charge - CRA Fund | 0 | Constant | 0 | 0 | 0 | 0 |
| 39 | Admin Charge - Sanitation Fund | 0 | Constant | 0 | 0 | 0 | 0 |
| 40 | Admin Charge - Cemetery Fund | 0 | Constant | 0 | 0 | 0 | 0 |
| 41 | Admin Charge - Stormwater | 0 | Constant | 0 | 0 | 0 | 0 |
| 42 | FDEP | 0 | Constant | 0 | 0 | 0 | 0 |
| 43 | Interest Income - Main Pool | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 44 | Interest Income - Investments | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 45 | Realized Gain/Loss | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 46 | Unrealized Gain/Loss | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 47 | Sale of Broken Meters | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 48 | Other Miscellaneous Revenue - MIT SSI Phase X | 0 | Constant | 0 | 0 | 0 | 0 |
| 49 | Prior Year Revenue Adjustment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 50 | Miscellaneous Revenue - Other | 0 | Constant | 0 | 0 | 0 | 0 |
| 51 | Appropriations from Unappropriated Surplus - O&M | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 52 | Reappropriation of Fund Balance | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 53 | Gain on Bond Refunding | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 54 | Sale of Fixed Assets | 0 | Eliminate | 0 | 0 | 0 | 0 |

Table 1-5
City of Hallandale Beach, Florida
Utility Rate Study

Projected Other Operating Revenues

| Line No. | Description | Adjusted [1] 2018 | Escalation Reference | Fiscal Year Ending September 30, | | | |
|----------|---|---------------------------|-------------------------|----------------------------------|---------------------------|---------------------------|---------------------------|
| | | | | 2019 | 2020 | 2021 | 2022 |
| 55 | Gain / Loss on Asset Disposal | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 56 | Accrued Guaranteed Revenue Charge - Residential | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 57 | Wastewater Facility Charge | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 58 | Total Wastewater System Other Revenues | <u>\$116,430</u> | | <u>\$116,430</u> | <u>\$116,430</u> | <u>\$116,430</u> | <u>\$116,430</u> |
| 59 | Total System Other Revenues | <u><u>\$1,049,334</u></u> | | <u><u>\$1,467,523</u></u> | <u><u>\$1,490,750</u></u> | <u><u>\$1,458,944</u></u> | <u><u>\$1,632,117</u></u> |

Footnotes:

- [1] Values for FY 2018 derived from the adopted Fiscal Year 2018 Budget as provided by the City and adjusted to reflect regular recurring revenues. Interest income was adjusted off and is accounted for in the revenue requirements section of the analysis.

Table 1-6
City of Hallandale Beach, Florida
Utility Rate Study

Projected Water and Wastewater Impact Fee Revenues

| Line No. | Description | Historical 2017 | Projected Fiscal Year Ending September 30, [1] | | | | |
|-------------------|----------------------------------|--------------------|--|-------------|-------------|-------------|-------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| WATER SYSTEM | | | | | | | |
| 1 | Impact Fee Per ERU [2] | \$1,318 | \$1,318 | \$1,364 | \$1,364 | \$1,364 | \$1,364 |
| 2 | Projected New ERU's | 57.1 | 73.0 | 527.0 | 539.0 | 489.0 | 668.0 |
| 3 | Subtotal | \$75,208 | \$96,214 | \$718,828 | \$735,196 | \$666,996 | \$911,152 |
| 4 | Percent Prepaid | 0.00% | 25.00% | 25.00% | 25.00% | 25.00% | 25.00% |
| 5 | Amount Prepaid | 0 | (24,054) | (179,707) | (183,799) | (166,749) | (227,788) |
| 6 | Other Adjustments to 2018 Budget | \$0 | \$10,344 | \$0 | \$0 | \$0 | \$0 |
| 7 | Total Water System | \$75,208 | \$82,504 | \$539,121 | \$551,397 | \$500,247 | \$683,364 |
| WASTEWATER SYSTEM | | | | | | | |
| 8 | Impact Fee Per ERU [2] | \$1,672 | \$1,672 | \$1,969 | \$1,969 | \$1,969 | \$1,969 |
| 9 | Projected New ERU's | 54.8 | 69.0 | 501.0 | 512.0 | 465.0 | 634.0 |
| 10 | Subtotal | \$91,604 | \$115,368 | \$986,469 | \$1,008,128 | \$915,585 | \$1,248,346 |
| 11 | Percent Prepaid | 0.00% | 25.00% | 25.00% | 25.00% | 25.00% | 25.00% |
| 12 | Amount Prepaid | 0 | (28,842) | (246,617) | (252,032) | (228,896) | (312,087) |
| 13 | Other Adjustments to 2018 Budget | \$0 | \$18,138 | \$0 | \$0 | \$0 | \$0 |
| 14 | Total Wastewater System | \$91,604 | \$104,664 | \$739,852 | \$756,096 | \$686,689 | \$936,260 |
| 15 | TOTAL SYSTEM | \$166,812 | \$187,168 | \$1,278,973 | \$1,307,493 | \$1,186,936 | \$1,619,624 |

Footnotes:

[1] Projected new development based upon information provided by staff.

[2] Impact fee in 2019 based on adoption of proposed rate.

Table 1-7
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|----------|-----------------|--------------|-----------------------------------|-------------|-------------------|--------------|------------------|---------------|
| | 3310W | | Water Administration | | | | | |
| | | | <u>Personnel Costs</u> | | | | | |
| 1 | 3310W | 512000 | Regular Salaries and Wages | \$796,036 | \$0 | \$796,036 | \$0 | \$796,036 |
| 2 | 3310W | 514000 | Overtime Pay | 6,000 | 0 | 6,000 | 0 | 6,000 |
| 3 | 3310W | 515150 | Auto and Travel Allowances | 4,200 | 0 | 4,200 | 0 | 4,200 |
| 4 | 3310W | 515250 | Payouts - Civil Service | 0 | 0 | 0 | 0 | 0 |
| 5 | 3310W | 515300 | Payouts - Sick Leave | 0 | 0 | 0 | 0 | 0 |
| 6 | 3310W | 515350 | Payouts - Vacation Pay | 0 | 0 | 0 | 0 | 0 |
| 7 | 3310W | 521050 | Social Security | 47,418 | 0 | 47,418 | 0 | 47,418 |
| 8 | 3310W | 521100 | Medicare | 11,286 | 0 | 11,286 | 0 | 11,286 |
| 9 | 3310W | 522150 | Pensions - General Employees | 75,949 | 0 | 75,949 | 0 | 75,949 |
| 10 | 3310W | 522200 | Pensions - ICMA 401a | 71,871 | 0 | 71,871 | 0 | 71,871 |
| 11 | 3310W | 522250 | Pensions - OPEB | 0 | 0 | 0 | 41,453 | 41,453 |
| 12 | 3310W | 522300 | 401a Match Program | 23,767 | 0 | 23,767 | 0 | 23,767 |
| 13 | 3310W | 522350 | Pensions - Retirement Health | 9,806 | 0 | 9,806 | 0 | 9,806 |
| 14 | 3310W | 523050 | Health Insurance | 135,191 | 0 | 135,191 | 0 | 135,191 |
| 15 | 3310W | 523100 | Dental Insurance | 3,862 | 0 | 3,862 | 0 | 3,862 |
| 16 | 3310W | 523150 | Life Insurance | 885 | 0 | 885 | 0 | 885 |
| 17 | 3310W | 523200 | Long-term Disability Insurance | 783 | 0 | 783 | 0 | 783 |
| 18 | 3310W | 524000 | Workers' Compensation | 2,418 | 0 | 2,418 | 0 | 2,418 |
| 19 | | | Total Personnel Costs | \$1,189,472 | \$0 | \$1,189,472 | \$41,453 | \$1,230,925 |
| | | | <u>Operating Services</u> | | | | | |
| 20 | 3310W | 531010 | Professional Services | \$35,000 | \$0 | \$35,000 | \$0 | \$35,000 |
| 21 | 3310W | 531010 | Professional Services | 0 | 0 | 0 | 0 | 0 |
| 22 | 3310W | 534010 | Outside Services | 15,000 | 0 | 15,000 | 0 | 15,000 |
| 23 | 3310W | 534010 | Outside Services | 0 | 0 | 0 | 0 | 0 |
| 24 | 3310W | 534040 | Special Events | 0 | 0 | 0 | 0 | 0 |
| 25 | 3310W | 541010 | Phone and Communications | 5,208 | 0 | 5,208 | 0 | 5,208 |
| 26 | 3310W | 544010 | Uniforms | 0 | 0 | 0 | 0 | 0 |
| 27 | 3310W | 546090 | Office Equipment | 2,000 | 0 | 2,000 | 0 | 2,000 |
| 28 | 3310W | 551000 | Office Supplies | 4,000 | 0 | 4,000 | 0 | 4,000 |
| 29 | 3310W | 552050 | Medical Supplies | 300 | 0 | 300 | 0 | 300 |
| 30 | 3310W | 552150 | Motor Vehicle Fuel | 2,800 | 0 | 2,800 | 0 | 2,800 |
| 31 | 3310W | 552170 | Computer Equipment and Supplies | 1,200 | 0 | 1,200 | 0 | 1,200 |
| 32 | 3310W | 552200 | Uniforms / Protective Clothing | 1,460 | 0 | 1,460 | 0 | 1,460 |
| 33 | 3310W | 552300 | Drafting Supplies | 1,500 | 0 | 1,500 | 0 | 1,500 |
| 34 | 3310W | 554010 | Books and Publications | 0 | 0 | 0 | 0 | 0 |
| 35 | 3310W | 554030 | Dues and Memberships | 2,159 | 0 | 2,159 | 0 | 2,159 |
| 36 | 3310W | 555020 | Meetings and Seminars | 13,200 | 0 | 13,200 | 0 | 13,200 |
| 37 | 3310W | 555040 | General Employee Training | 2,490 | 0 | 2,490 | 0 | 2,490 |
| 38 | 3310W | 555060 | License and Certification | 450 | 0 | 450 | 0 | 450 |
| 39 | 3310W | 564010 | Automobiles [2] | 0 | 0 | 0 | 0 | 0 |
| 40 | | | Total Operating Services | \$86,767 | \$0 | \$86,767 | \$0 | \$86,767 |
| 41 | | | Total Water Administration | \$1,276,239 | \$0 | \$1,276,239 | \$41,453 | \$1,317,692 |
| | 3320W | | Water Production | | | | | |
| | | | <u>Personnel Costs</u> | | | | | |
| 42 | 3320W | 512000 | Regular Salaries and Wages | \$810,490 | \$0 | \$810,490 | \$0 | \$810,490 |
| 43 | 3320W | 513050 | Relief Employees | 30,000 | 0 | 30,000 | 0 | 30,000 |
| 44 | 3320W | 514000 | Overtime Pay | 45,000 | 0 | 45,000 | 0 | 45,000 |
| 45 | 3320W | 515150 | Auto and Travel Allowances | 0 | 0 | 0 | 0 | 0 |
| 46 | 3320W | 515250 | Payouts - Civil Service | 0 | 0 | 0 | 0 | 0 |
| 47 | 3320W | 515300 | Payouts - Sick Leave | 0 | 0 | 0 | 0 | 0 |
| 48 | 3320W | 515350 | Payouts - Vacation Pay | 0 | 0 | 0 | 0 | 0 |
| 49 | 3320W | 521050 | Social Security | 48,547 | 0 | 48,547 | 0 | 48,547 |
| 50 | 3320W | 521100 | Medicare | 11,358 | 0 | 11,358 | 0 | 11,358 |
| 51 | 3320W | 522150 | Pensions - General Employees | 115,191 | 0 | 115,191 | 0 | 115,191 |
| 52 | 3320W | 522200 | Pensions - ICMA 401a | 32,959 | 0 | 32,959 | 0 | 32,959 |
| 53 | 3320W | 522250 | Pensions - OPEB | 0 | 0 | 0 | 0 | 0 |
| 54 | 3320W | 522300 | 401a Match Program | 18,271 | 0 | 18,271 | 0 | 18,271 |
| 55 | 3320W | 522350 | Pensions - Retirement Health | 11,808 | 0 | 11,808 | 0 | 11,808 |
| 56 | 3320W | 523050 | Health Insurance | 122,947 | 0 | 122,947 | 0 | 122,947 |
| 57 | 3320W | 523100 | Dental Insurance | 558 | 0 | 558 | 0 | 558 |
| 58 | 3320W | 523150 | Life Insurance | 1,069 | 0 | 1,069 | 0 | 1,069 |

Table 1-7
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|----------|-----------------|--------------|--------------------------------------|--------------------|-------------------|--------------------|----------------------|--------------------|
| 59 | 3320W | 523200 | Long-term Disability Insurance | 946 | 0 | 946 | 0 | 946 |
| 60 | 3320W | 524000 | Workers' Compensation | 4,109 | 0 | 4,109 | 0 | 4,109 |
| 61 | | | Total Personnel Costs | \$1,253,253 | \$0 | \$1,253,253 | \$0 | \$1,253,253 |
| | | | <u>Operating Services</u> | | | | | |
| 62 | 3320W | 531010 | Professional Services | \$130,000 | \$0 | \$130,000 | \$0 | \$130,000 |
| 63 | 3320W | 531010 | Professional Services | 0 | 0 | 0 | 0 | 0 |
| 64 | 3320W | 531010 | Professional Services [2] | 300,000 | 0 | 300,000 | (300,000) | 0 |
| 65 | 3320W | 534010 | Outside Services | 64,000 | 0 | 64,000 | 0 | 64,000 |
| 66 | 3320W | 534010 | Outside Services | 0 | 0 | 0 | 0 | 0 |
| 67 | 3320W | 534010 | Outside Services | 0 | 0 | 0 | 0 | 0 |
| 68 | 3320W | 534040 | Special Events | 0 | 0 | 0 | 0 | 0 |
| 69 | 3320W | 541010 | Phone and Communications | 420 | 0 | 420 | 0 | 420 |
| 70 | 3320W | 543010 | Electricity | 275,000 | 0 | 275,000 | 0 | 275,000 |
| 71 | 3320W | 544010 | Uniforms | 3,454 | 0 | 3,454 | 0 | 3,454 |
| 72 | 3320W | 544030 | Equipment Rental | 600 | 0 | 600 | 0 | 600 |
| 73 | 3320W | 546070 | Equipment Maintenance Agreements | 146,500 | 0 | 146,500 | 0 | 146,500 |
| 74 | 3320W | 546090 | Office Equipment | 0 | 0 | 0 | 0 | 0 |
| 75 | 3320W | 551000 | Office Supplies | 0 | 0 | 0 | 0 | 0 |
| 76 | 3320W | 552010 | Specialized Supplies | 9,600 | 0 | 9,600 | 0 | 9,600 |
| 77 | 3320W | 552030 | Equipment and Tools | 4,100 | 0 | 4,100 | 0 | 4,100 |
| 78 | 3320W | 552050 | Medical Supplies | 0 | 0 | 0 | 0 | 0 |
| 79 | 3320W | 552060 | Chemicals | 471,000 | 0 | 471,000 | 0 | 471,000 |
| 80 | 3320W | 552070 | Small Furniture and Fixtures | 0 | 0 | 0 | 0 | 0 |
| 81 | 3320W | 552140 | Diesel Fuel | 6,000 | 0 | 6,000 | 0 | 6,000 |
| 82 | 3320W | 552150 | Motor Vehicle Fuel | 800 | 0 | 800 | 0 | 800 |
| 83 | 3320W | 552160 | Grease, Oil, and Lubricants | 100 | 0 | 100 | 0 | 100 |
| 84 | 3320W | 552170 | Computer Equipment and Supplies | 0 | 0 | 0 | 0 | 0 |
| 85 | 3320W | 552200 | Uniforms / Protective Clothing | 3,160 | 0 | 3,160 | 0 | 3,160 |
| 86 | 3320W | 552250 | Machinery Parts | 136,200 | 0 | 136,200 | 0 | 136,200 |
| 87 | 3320W | 552280 | Purchased Water | 374,050 | 0 | 374,050 | 0 | 374,050 |
| 88 | 3320W | 552300 | Drafting Supplies | 0 | 0 | 0 | 0 | 0 |
| 89 | 3320W | 554010 | Books and Publications | 0 | 0 | 0 | 0 | 0 |
| 90 | 3320W | 554030 | Dues and Memberships | 840 | 0 | 840 | 0 | 840 |
| 91 | 3320W | 555020 | Meetings and Seminars | 0 | 0 | 0 | 0 | 0 |
| 92 | 3320W | 555040 | General Employee Training | 3,600 | 0 | 3,600 | 0 | 3,600 |
| 93 | 3320W | 555060 | License and Certification | 11,369 | 0 | 11,369 | 0 | 11,369 |
| 94 | 3320W | 555060 | License and Certification [2] | 0 | 0 | 0 | 0 | 0 |
| 95 | 3320W | 564040 | Machinery and Equipment [2] | 0 | 0 | 0 | 0 | 0 |
| 96 | 3320W | 565000 | Construction in Progress [2] | 0 | 0 | 0 | 0 | 0 |
| 97 | 3320W | 565000 | Construction in Progress [2] | 1,350,000 | 0 | 1,350,000 | (1,350,000) | 0 |
| 98 | | | Total Operating Services | \$3,290,793 | \$0 | \$3,290,793 | (\$1,650,000) | \$1,640,793 |
| 99 | | | Total Water Production | \$4,544,046 | \$0 | \$4,544,046 | (\$1,650,000) | \$2,894,046 |
| | 3330W | | Transmission and Distribution | | | | | |
| | | | <u>Personnel Costs</u> | | | | | |
| 100 | 3330W | 512000 | Regular Salaries and Wages | \$692,354 | \$0 | \$692,354 | \$0 | \$692,354 |
| 101 | 3330W | 513000 | Other Salaries and Wages | \$33,280 | 0 | 33,280 | 0 | 33,280 |
| 102 | 3330W | 514000 | Overtime Pay | 42,000 | 0 | 42,000 | 0 | 42,000 |
| 103 | 3330W | 515150 | Auto and Travel Allowances | 0 | 0 | 0 | 0 | 0 |
| 104 | 3330W | 515250 | Payouts - Civil Service | 0 | 0 | 0 | 0 | 0 |
| 105 | 3330W | 515300 | Payouts - Sick Leave | 0 | 0 | 0 | 0 | 0 |
| 106 | 3330W | 515350 | Payouts - Vacation Pay | 0 | 0 | 0 | 0 | 0 |
| 107 | 3330W | 521050 | Social Security | 42,683 | 0 | 42,683 | 0 | 42,683 |
| 108 | 3330W | 521100 | Medicare | 9,987 | 0 | 9,987 | 0 | 9,987 |
| 109 | 3330W | 522150 | Pensions - General Employees | 115,556 | 0 | 115,556 | 0 | 115,556 |
| 110 | 3330W | 522200 | Pensions - ICMA 401a | 19,478 | 0 | 19,478 | 0 | 19,478 |
| 111 | 3330W | 522250 | Pensions - OPEB | 0 | 0 | 0 | 0 | 0 |
| 112 | 3330W | 522300 | 401a Match Program | 17,746 | 0 | 17,746 | 0 | 17,746 |
| 113 | 3330W | 522350 | Pensions - Retirement Health | 11,520 | 0 | 11,520 | 0 | 11,520 |
| 114 | 3330W | 523050 | Health Insurance | 142,433 | 0 | 142,433 | 0 | 142,433 |
| 115 | 3330W | 523100 | Dental Insurance | 1,482 | 0 | 1,482 | 0 | 1,482 |
| 116 | 3330W | 523150 | Life Insurance | 1,044 | 0 | 1,044 | 0 | 1,044 |
| 117 | 3330W | 523200 | Long-term Disability Insurance | 924 | 0 | 924 | 0 | 924 |
| 118 | 3330W | 524000 | Workers' Compensation | 5,182 | 0 | 5,182 | 0 | 5,182 |

Table 1-7
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|----------|-----------------|--------------|--|--------------------|-------------------|--------------------|------------------|--------------------|
| 119 | | | Total Personnel Costs | \$1,135,669 | \$0 | \$1,135,669 | \$0 | \$1,135,669 |
| | | | <u>Operating Services</u> | | | | | |
| 120 | 3330W | 531010 | Professional Services | \$0 | \$0 | \$0 | \$0 | \$0 |
| 121 | 3330W | 531010 | Professional Services [2] | 0 | 0 | 0 | 0 | 0 |
| 122 | 3330W | 531010 | Professional Services [2] | 0 | 0 | 0 | 0 | 0 |
| 123 | 3330W | 534010 | Outside Services | 22,400 | 0 | 22,400 | 0 | 22,400 |
| 124 | 3330W | 534010 | Outside Services [2] | 0 | 0 | 0 | 0 | 0 |
| 125 | 3330W | 534010 | Outside Services [2] | 0 | 0 | 0 | 0 | 0 |
| 126 | 3330W | 534040 | Special Events | 0 | 0 | 0 | 0 | 0 |
| 127 | 3330W | 541010 | Phone and Communications | 1,680 | 0 | 1,680 | 0 | 1,680 |
| 128 | 3330W | 543010 | Electricity | 0 | 0 | 0 | 0 | 0 |
| 129 | 3330W | 544010 | Uniforms | 3,966 | 0 | 3,966 | 0 | 3,966 |
| 130 | 3330W | 544030 | Equipment Rental | 500 | 0 | 500 | 0 | 500 |
| 131 | 3330W | 546070 | Equipment Maintenance Agreements | 4,000 | 0 | 4,000 | 0 | 4,000 |
| 132 | 3330W | 546090 | Office Equipment | 0 | 0 | 0 | 0 | 0 |
| 133 | 3330W | 547000 | Printing and Binding | 150 | 0 | 150 | 0 | 150 |
| 134 | 3330W | 551000 | Office Supplies | 0 | 0 | 0 | 0 | 0 |
| 135 | 3330W | 552010 | Specialized Supplies | 0 | 0 | 0 | 0 | 0 |
| 136 | 3330W | 552020 | Meter Boxes | 9,000 | 0 | 9,000 | 0 | 9,000 |
| 137 | 3330W | 552030 | Equipment and Tools | 6,000 | 0 | 6,000 | 0 | 6,000 |
| 138 | 3330W | 552050 | Medical Supplies | 0 | 0 | 0 | 0 | 0 |
| 139 | 3330W | 552060 | Chemicals | 0 | 0 | 0 | 0 | 0 |
| 140 | 3330W | 552070 | Small Furniture and Fixtures | 0 | 0 | 0 | 0 | 0 |
| 141 | 3330W | 552080 | Traffic Control / Signs | 3,000 | 0 | 3,000 | 0 | 3,000 |
| 142 | 3330W | 552140 | Diesel Fuel | 7,020 | 0 | 7,020 | 0 | 7,020 |
| 143 | 3330W | 552150 | Motor Vehicle Fuel | 11,136 | 0 | 11,136 | 0 | 11,136 |
| 144 | 3330W | 552160 | Grease, Oil, and Lubricants | 0 | 0 | 0 | 0 | 0 |
| 145 | 3330W | 552170 | Computer Equipment and Supplies | 0 | 0 | 0 | 0 | 0 |
| 146 | 3330W | 552180 | Water Main Repair Parts | 88,000 | 0 | 88,000 | 0 | 88,000 |
| 147 | 3330W | 552200 | Uniforms / Protective Clothing | 3,400 | 0 | 3,400 | 0 | 3,400 |
| 148 | 3330W | 552210 | Building Materials / Supplies | 4,000 | 0 | 4,000 | 0 | 4,000 |
| 149 | 3330W | 552250 | Machinery Parts | 1,500 | 0 | 1,500 | 0 | 1,500 |
| 150 | 3330W | 552280 | Purchased Water | 0 | 0 | 0 | 0 | 0 |
| 151 | 3330W | 552290 | Cement | 5,000 | 0 | 5,000 | 0 | 5,000 |
| 152 | 3330W | 553010 | Rock and Fill | 10,000 | 0 | 10,000 | 0 | 10,000 |
| 153 | 3330W | 553010 | Rock and Fill [2] | 0 | 0 | 0 | 0 | 0 |
| 154 | 3330W | 553020 | Asphalt Paving Road Materials | 15,000 | 0 | 15,000 | 0 | 15,000 |
| 155 | 3330W | 552300 | Drafting Supplies | 0 | 0 | 0 | 0 | 0 |
| 156 | 3330W | 554010 | Books and Publications | 0 | 0 | 0 | 0 | 0 |
| 157 | 3330W | 554030 | Dues and Memberships | 0 | 0 | 0 | 0 | 0 |
| 158 | 3330W | 555020 | Meetings and Seminars | 0 | 0 | 0 | 0 | 0 |
| 159 | 3330W | 555040 | General Employee Training | 5,350 | 0 | 5,350 | 0 | 5,350 |
| 160 | 3330W | 555060 | License and Certification | 600 | 0 | 600 | 0 | 600 |
| 161 | 3330W | 555060 | License and Certification [2] | 0 | 0 | 0 | 0 | 0 |
| 162 | 3330W | 564060 | Communications Equipment [2] | 0 | 0 | 0 | 0 | 0 |
| 163 | 3330W | 565000 | Construction in Progress [2] | 0 | 0 | 0 | 0 | 0 |
| 164 | | | Total Operating Services | \$201,702 | \$0 | \$201,702 | \$0 | \$201,702 |
| 165 | | | Total Transmission and Distribution | \$1,337,371 | \$0 | \$1,337,371 | \$0 | \$1,337,371 |
| | 3340W | | Utility Billing Division | | | | | |
| | | | <u>Personnel Costs</u> | | | | | |
| 166 | 3340W | 512000 | Regular Salaries and Wages | \$421,813 | \$0 | \$421,813 | \$0 | \$421,813 |
| 167 | 3340W | 513050 | Other Salaries and Wages | 31,980 | 0 | 31,980 | 0 | 31,980 |
| 168 | 3340W | 514000 | Overtime Pay | 10,000 | 0 | 10,000 | 0 | 10,000 |
| 169 | 3340W | 515150 | Auto and Travel Allowances | 0 | 0 | 0 | 0 | 0 |
| 170 | 3340W | 515250 | Payouts - Civil Service | 0 | 0 | 0 | 0 | 0 |
| 171 | 3340W | 515300 | Payouts - Sick Leave | 0 | 0 | 0 | 0 | 0 |
| 172 | 3340W | 515350 | Payouts - Vacation Pay | 0 | 0 | 0 | 0 | 0 |
| 173 | 3340W | 521050 | Social Security | 27,443 | 0 | 27,443 | 0 | 27,443 |
| 174 | 3340W | 521100 | Medicare | 6,421 | 0 | 6,421 | 0 | 6,421 |
| 175 | 3340W | 522150 | Pensions - General Employees | 22,830 | 0 | 22,830 | 0 | 22,830 |
| 176 | 3340W | 522200 | Pensions - ICMA 401a | 30,425 | 0 | 30,425 | 0 | 30,425 |
| 177 | 3340W | 522250 | Pensions - OPEB | 0 | 0 | 0 | 0 | 0 |
| 178 | 3340W | 522300 | 401a Match Program | 10,620 | 0 | 10,620 | 0 | 10,620 |

Table 1-7
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|----------|-----------------|--------------|---------------------------------------|------------------|-------------------|------------------|-------------------|------------------|
| 179 | 3340W | 522350 | Pensions - Retirement Health | 6,720 | 0 | 6,720 | 0 | 6,720 |
| 180 | 3340W | 523050 | Health Insurance | 64,795 | 0 | 64,795 | 0 | 64,795 |
| 181 | 3340W | 523100 | Dental Insurance | 1,982 | 0 | 1,982 | 0 | 1,982 |
| 182 | 3340W | 523150 | Life Insurance | 609 | 0 | 609 | 0 | 609 |
| 183 | 3340W | 523200 | Long-term Disability Insurance | 539 | 0 | 539 | 0 | 539 |
| 184 | 3340W | 524000 | Workers' Compensation | 684 | 0 | 684 | 0 | 684 |
| 185 | | | Total Personnel Costs | \$636,861 | \$0 | \$636,861 | \$0 | \$636,861 |
| | | | <u>Operating Services</u> | | | | | |
| 186 | 3340W | 531010 | Professional Services | \$0 | \$0 | \$0 | \$0 | \$0 |
| 187 | 3340W | 531050 | Filing and Lien Recording Fees | 3,000 | 0 | 3,000 | 0 | 3,000 |
| 188 | 3340W | 534010 | Outside Services | 31,700 | 0 | 31,700 | 0 | 31,700 |
| 189 | 3340W | 534010 | Outside Services [2] | 0 | 0 | 0 | 0 | 0 |
| 190 | 3340W | 534010 | Outside Services [2] | 0 | 0 | 0 | 0 | 0 |
| 191 | 3340W | 534040 | Special Events | 0 | 0 | 0 | 0 | 0 |
| 192 | 3340W | 539055 | Credit Card Fees | 98,000 | 0 | 98,000 | 0 | 98,000 |
| 193 | 3340W | 541010 | Phone and Communications | 0 | 0 | 0 | 0 | 0 |
| 194 | 3340W | 542000 | Postage and Freight | 61,000 | 0 | 61,000 | 0 | 61,000 |
| 195 | 3340W | 543010 | Electricity | 0 | 0 | 0 | 0 | 0 |
| 196 | 3340W | 544010 | Uniforms | 0 | 0 | 0 | 0 | 0 |
| 197 | 3340W | 544030 | Equipment Rental | 0 | 0 | 0 | 0 | 0 |
| 198 | 3340W | 546050 | Computer Hardware Maintenance | 0 | 0 | 0 | 0 | 0 |
| 199 | 3340W | 546060 | Computer Software Maintenance | 0 | 0 | 0 | 0 | 0 |
| 200 | 3340W | 546070 | Equipment Maintenance Agreements | 0 | 0 | 0 | 0 | 0 |
| 201 | 3340W | 546090 | Office Equipment | 750 | 0 | 750 | 0 | 750 |
| 202 | 3340W | 547000 | Printing and Binding | 500 | 0 | 500 | 0 | 500 |
| 203 | 3340W | 551000 | Office Supplies | 4,000 | 0 | 4,000 | 0 | 4,000 |
| 204 | 3340W | 552010 | Specialized Supplies | 0 | 0 | 0 | 0 | 0 |
| 205 | 3340W | 552020 | Meter Boxes | 0 | 0 | 0 | 0 | 0 |
| 206 | 3340W | 552030 | Equipment and Tools | 0 | 0 | 0 | 0 | 0 |
| 207 | 3340W | 552050 | Medical Supplies | 0 | 0 | 0 | 0 | 0 |
| 208 | 3340W | 552060 | Chemicals | 0 | 0 | 0 | 0 | 0 |
| 209 | 3340W | 552070 | Small Furniture and Fixtures | 1,000 | 0 | 1,000 | 0 | 1,000 |
| 210 | 3340W | 552070 | Small Furniture and Fixtures [2] | 0 | 0 | 0 | 0 | 0 |
| 211 | 3340W | 552080 | Traffic Control / Signs | 0 | 0 | 0 | 0 | 0 |
| 212 | 3340W | 552140 | Diesel Fuel | 0 | 0 | 0 | 0 | 0 |
| 213 | 3340W | 552150 | Motor Vehicle Fuel | 0 | 0 | 0 | 0 | 0 |
| 214 | 3340W | 552160 | Grease, Oil, and Lubricants | 0 | 0 | 0 | 0 | 0 |
| 215 | 3340W | 552170 | Computer Equipment and Supplies | 0 | 0 | 0 | 0 | 0 |
| 216 | 3340W | 552180 | Water Main Repair Parts | 0 | 0 | 0 | 0 | 0 |
| 217 | 3340W | 552200 | Uniforms / Protective Clothing | 1,000 | 0 | 1,000 | 0 | 1,000 |
| 218 | 3340W | 552210 | Building Materials / Supplies | 0 | 0 | 0 | 0 | 0 |
| 219 | 3340W | 552250 | Machinery Parts | 0 | 0 | 0 | 0 | 0 |
| 220 | 3340W | 552280 | Purchased Water | 0 | 0 | 0 | 0 | 0 |
| 221 | 3340W | 552290 | Cement | 0 | 0 | 0 | 0 | 0 |
| 222 | 3340W | 553010 | Rock and Fill | 0 | 0 | 0 | 0 | 0 |
| 223 | 3340W | 553020 | Asphalt Paving Road Materials | 0 | 0 | 0 | 0 | 0 |
| 224 | 3340W | 552300 | Drafting Supplies | 0 | 0 | 0 | 0 | 0 |
| 225 | 3340W | 554010 | Books and Publications | 0 | 0 | 0 | 0 | 0 |
| 226 | 3340W | 554030 | Dues and Memberships | 1,440 | 0 | 1,440 | 0 | 1,440 |
| 227 | 3340W | 555020 | Meetings and Seminars | 12,400 | 0 | 12,400 | 0 | 12,400 |
| 228 | 3340W | 555040 | General Employee Training | 0 | 0 | 0 | 0 | 0 |
| 229 | 3340W | 555060 | License and Certification | 210 | 0 | 210 | 0 | 210 |
| 230 | 3340W | 564040 | Machinery and Equipment [2] | 10,000 | 0 | 10,000 | (10,000) | 0 |
| 231 | 3340W | 564040 | Machinery and Equipment [2] | 0 | 0 | 0 | 0 | 0 |
| 232 | | | Total Operating Services | \$225,000 | \$0 | \$225,000 | (\$10,000) | \$215,000 |
| 233 | | | Total Utility Billing Division | \$861,861 | \$0 | \$861,861 | (\$10,000) | \$851,861 |
| | 3370W | | Plant Maintenance | | | | | |
| | | | <u>Personnel Costs</u> | | | | | |
| 234 | 3370W | 512000 | Regular Salaries and Wages | \$145,029 | \$0 | \$145,029 | \$0 | \$145,029 |
| 235 | 3370W | 513050 | Other Salaries and Wages | 0 | 0 | 0 | 0 | 0 |
| 236 | 3370W | 514000 | Overtime Pay | 6,000 | 0 | 6,000 | 0 | 6,000 |
| 237 | 3370W | 515150 | Auto and Travel Allowances | 0 | 0 | 0 | 0 | 0 |
| 238 | 3370W | 515250 | Payouts - Civil Service | 0 | 0 | 0 | 0 | 0 |

Table 1-7
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|----------|-----------------|--------------|---------------------------------------|------------------|-------------------|------------------|-------------------|------------------|
| 239 | 3370W | 515300 | Payouts - Sick Leave | 0 | 0 | 0 | 0 | 0 |
| 240 | 3370W | 515350 | Payouts - Vacation Pay | 0 | 0 | 0 | 0 | 0 |
| 241 | 3370W | 515400 | Tool Allowance | 0 | 0 | 0 | 0 | 0 |
| 242 | 3370W | 521050 | Social Security | 8,359 | 0 | 8,359 | 0 | 8,359 |
| 243 | 3370W | 521100 | Medicare | 1,957 | 0 | 1,957 | 0 | 1,957 |
| 244 | 3370W | 522150 | Pensions - General Employees | 22,826 | 0 | 22,826 | 0 | 22,826 |
| 245 | 3370W | 522200 | Pensions - ICMA 401a | 6,593 | 0 | 6,593 | 0 | 6,593 |
| 246 | 3370W | 522250 | Pensions - OPEB | 0 | 0 | 0 | 0 | 0 |
| 247 | 3370W | 522300 | 401a Match Program | 2,638 | 0 | 2,638 | 0 | 2,638 |
| 248 | 3370W | 522350 | Pensions - Retirement Health | 2,880 | 0 | 2,880 | 0 | 2,880 |
| 249 | 3370W | 523050 | Health Insurance | 44,510 | 0 | 44,510 | 0 | 44,510 |
| 250 | 3370W | 523100 | Dental Insurance | 180 | 0 | 180 | 0 | 180 |
| 251 | 3370W | 523150 | Life Insurance | 261 | 0 | 261 | 0 | 261 |
| 252 | 3370W | 523200 | Long-term Disability Insurance | 231 | 0 | 231 | 0 | 231 |
| 253 | 3370W | 524000 | Workers' Compensation | 1,217 | 0 | 1,217 | 0 | 1,217 |
| 254 | | | Total Personnel Costs | \$242,681 | \$0 | \$242,681 | \$0 | \$242,681 |
| | | | <u>Operating Services</u> | | | | | |
| 255 | 3370W | 531010 | Professional Services | \$0 | \$0 | \$0 | \$0 | \$0 |
| 256 | 3370W | 531050 | Filing and Lien Recording Fees | 0 | 0 | 0 | 0 | 0 |
| 257 | 3370W | 534010 | Outside Services | 0 | 0 | 0 | 0 | 0 |
| 258 | 3370W | 534040 | Special Events | 0 | 0 | 0 | 0 | 0 |
| 259 | 3370W | 539055 | Credit Card Fees | 0 | 0 | 0 | 0 | 0 |
| 260 | 3370W | 541010 | Phone and Communications | 0 | 0 | 0 | 0 | 0 |
| 261 | 3370W | 542000 | Postage and Freight | 0 | 0 | 0 | 0 | 0 |
| 262 | 3370W | 543010 | Electricity | 0 | 0 | 0 | 0 | 0 |
| 263 | 3370W | 544010 | Uniforms | 732 | 0 | 732 | 0 | 732 |
| 264 | 3370W | 544030 | Equipment Rental | 0 | 0 | 0 | 0 | 0 |
| 265 | 3370W | 546050 | Computer Hardware Maintenance | 0 | 0 | 0 | 0 | 0 |
| 266 | 3370W | 546060 | Computer Software Maintenance | 0 | 0 | 0 | 0 | 0 |
| 267 | 3370W | 546070 | Equipment Maintenance Agreements | 0 | 0 | 0 | 0 | 0 |
| 268 | 3370W | 546090 | Office Equipment | 0 | 0 | 0 | 0 | 0 |
| 269 | 3370W | 547000 | Printing and Binding | 0 | 0 | 0 | 0 | 0 |
| 270 | 3370W | 551000 | Office Supplies | 0 | 0 | 0 | 0 | 0 |
| 271 | 3370W | 552010 | Specialized Supplies | 0 | 0 | 0 | 0 | 0 |
| 272 | 3370W | 552020 | Meter Boxes | 0 | 0 | 0 | 0 | 0 |
| 273 | 3370W | 552030 | Equipment and Tools | 600 | 0 | 600 | 0 | 600 |
| 274 | 3370W | 552050 | Medical Supplies | 0 | 0 | 0 | 0 | 0 |
| 275 | 3370W | 552060 | Chemicals | 0 | 0 | 0 | 0 | 0 |
| 276 | 3370W | 552070 | Small Furniture and Fixtures | 0 | 0 | 0 | 0 | 0 |
| 277 | 3370W | 552080 | Traffic Control / Signs | 0 | 0 | 0 | 0 | 0 |
| 278 | 3370W | 552140 | Diesel Fuel | 0 | 0 | 0 | 0 | 0 |
| 279 | 3370W | 552150 | Motor Vehicle Fuel | 720 | 0 | 720 | 0 | 720 |
| 280 | 3370W | 552160 | Grease, Oil, and Lubricants | 600 | 0 | 600 | 0 | 600 |
| 281 | 3370W | 552170 | Computer Equipment and Supplies | 0 | 0 | 0 | 0 | 0 |
| 282 | 3370W | 552180 | Water Main Repair Parts | 0 | 0 | 0 | 0 | 0 |
| 283 | 3370W | 552200 | Uniforms / Protective Clothing | 930 | 0 | 930 | 0 | 930 |
| 284 | 3370W | 552210 | Building Materials / Supplies | 9,000 | 0 | 9,000 | 0 | 9,000 |
| 285 | 3370W | 552250 | Machinery Parts | 1,500 | 0 | 1,500 | 0 | 1,500 |
| 286 | 3370W | 552280 | Purchased Water | 0 | 0 | 0 | 0 | 0 |
| 287 | 3370W | 552290 | Cement | 0 | 0 | 0 | 0 | 0 |
| 288 | 3370W | 553010 | Rock and Fill | 0 | 0 | 0 | 0 | 0 |
| 289 | 3370W | 553020 | Asphalt Paving Road Materials | 0 | 0 | 0 | 0 | 0 |
| 290 | 3370W | 552300 | Drafting Supplies | 0 | 0 | 0 | 0 | 0 |
| 291 | 3370W | 554010 | Books and Publications | 0 | 0 | 0 | 0 | 0 |
| 292 | 3370W | 554030 | Dues and Memberships | 0 | 0 | 0 | 0 | 0 |
| 293 | 3370W | 555020 | Meetings and Seminars | 0 | 0 | 0 | 0 | 0 |
| 294 | 3370W | 555040 | General Employee Training | 3,000 | 0 | 3,000 | 0 | 3,000 |
| 295 | 3370W | 555060 | License and Certification | 0 | 0 | 0 | 0 | 0 |
| 296 | 3370W | 564040 | Machinery and Equipment [2] | 50,000 | 0 | 50,000 | (50,000) | 0 |
| 297 | | | Total Operating Services | \$67,082 | \$0 | \$67,082 | (\$50,000) | \$17,082 |
| 298 | | | Total Plant Maintenance | \$309,763 | \$0 | \$309,763 | (\$50,000) | \$259,763 |
| | | | <u>Debt Service</u> | | | | | |
| 299 | 3380W | 544020 | Copiers / Office Equipment Leases [3] | \$8,304 | \$0 | \$8,304 | \$0 | \$8,304 |

Table 1-7
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|----------|-----------------|--------------|----------------------------------|------------------|-------------------|------------------|--------------------|-----------------|
| 300 | 3380W | 571220 | Principal - 2012 Chase Note [3] | 180,048 | 0 | 180,048 | (180,048) | 0 |
| 301 | 3380W | 571225 | Principal - Bond Series 2014 [3] | 275,478 | 0 | 275,478 | (275,478) | 0 |
| 302 | 3380W | 572220 | Interest - 2012 Chase Note [3] | 12,459 | 0 | 12,459 | (12,459) | 0 |
| 303 | 3380W | 572225 | Interest - Bond Series 2014 [3] | 51,029 | 0 | 51,029 | (51,029) | 0 |
| 304 | | | Total Debt Service | \$527,318 | \$0 | \$527,318 | (\$519,014) | \$8,304 |
| | 3390W | | Non-Departmental | | | | | |
| | | | <u>Personnel Costs</u> | | | | | |
| 305 | 3390W | 512000 | Regular Salaries and Wages | \$0 | \$0 | \$0 | \$0 | \$0 |
| 306 | 3390W | 513050 | Other Salaries and Wages | 0 | 0 | 0 | 0 | 0 |
| 307 | 3390W | 514000 | Overtime Pay | 0 | 0 | 0 | 0 | 0 |
| 308 | 3390W | 515150 | Auto and Travel Allowances | 0 | 0 | 0 | 0 | 0 |
| 309 | 3390W | 515200 | Sick Leave Buyback | 30,000 | 0 | 30,000 | 0 | 30,000 |
| 310 | 3390W | 515250 | Payouts - Civil Service | 10,000 | 0 | 10,000 | 0 | 10,000 |
| 311 | 3390W | 515300 | Payouts - Sick Leave | 20,000 | 0 | 20,000 | 0 | 20,000 |
| 312 | 3390W | 515350 | Payouts - Vacation Pay | 20,000 | 0 | 20,000 | 0 | 20,000 |
| 313 | 3390W | 515400 | Tool Allowance | 0 | 0 | 0 | 0 | 0 |
| 314 | 3390W | 515500 | Sick Accrual Expense | 0 | 0 | 0 | 0 | 0 |
| 315 | 3390W | 515550 | Vacation Accrual Expense | 0 | 0 | 0 | 0 | 0 |
| 316 | 3390W | 521050 | Social Security | 0 | 0 | 0 | 0 | 0 |
| 317 | 3390W | 521100 | Medicare | 0 | 0 | 0 | 0 | 0 |
| 318 | | 522050 | Pensions - | 0 | 0 | 0 | 0 | 0 |
| 319 | | 522051 | Professional GASB68 | 0 | 0 | 0 | 0 | 0 |
| 320 | 3390W | 522150 | Pensions - General Employees | 0 | 0 | 0 | 0 | 0 |
| 321 | | 522151 | General GASB 68 | 0 | 0 | 0 | 0 | 0 |
| 322 | 3390W | 522200 | Pensions - ICMA 401a | 0 | 0 | 0 | 0 | 0 |
| 323 | 3390W | 522250 | Pensions - OPEB | 0 | 0 | 0 | 0 | 0 |
| 324 | 3390W | 522300 | 401a Match Program | 0 | 0 | 0 | 0 | 0 |
| 325 | 3390W | 522350 | Pensions - Retirement Health | 0 | 0 | 0 | 0 | 0 |
| 326 | 3390W | 523050 | Health Insurance | 0 | 0 | 0 | 0 | 0 |
| 327 | 3390W | 523100 | Dental Insurance | 0 | 0 | 0 | 0 | 0 |
| 328 | 3390W | 523150 | Life Insurance | 0 | 0 | 0 | 0 | 0 |
| 329 | 3390W | 523200 | Long-term Disability Insurance | 0 | 0 | 0 | 0 | 0 |
| 330 | 3390W | 524000 | Workers' Compensation | 0 | 0 | 0 | 0 | 0 |
| 331 | 3390W | 525000 | Unemployment Compensation Fee | 10,000 | 0 | 10,000 | 0 | 10,000 |
| 332 | | | Total Personnel Costs | \$90,000 | \$0 | \$90,000 | \$0 | \$90,000 |
| | | | <u>Operating Services</u> | | | | | |
| 333 | 3390W | 531010 | Professional Services | \$135,000 | \$0 | \$135,000 | \$0 | \$135,000 |
| 334 | 3390W | 531010 | Professional Services [2] | 0 | 0 | 0 | 0 | 0 |
| 335 | 3390W | 531010 | Professional Services [2] | 0 | 0 | 0 | 0 | 0 |
| 336 | 3390W | 531010 | Professional Services [2] | 0 | 0 | 0 | 0 | 0 |
| 337 | 3390W | 531010 | Professional Services [2] | 0 | 0 | 0 | 0 | 0 |
| 338 | 3390W | 531010 | Professional Services [2] | 0 | 0 | 0 | 0 | 0 |
| 339 | 3390W | 531010 | Professional Services [2] | 0 | 0 | 0 | 0 | 0 |
| 340 | 3390W | 531010 | Professional Services [2] | 0 | 0 | 0 | 0 | 0 |
| 341 | 3390W | 531030 | Employee Physicals | 1,750 | 0 | 1,750 | 0 | 1,750 |
| 342 | 3390W | 531040 | Legal Services | 0 | 0 | 0 | 0 | 0 |
| 343 | 3390W | 531050 | Filing and Lien Recording Fees | 0 | 0 | 0 | 0 | 0 |
| 344 | 3390W | 532000 | Accounting and Auditing | 37,514 | 0 | 37,514 | 0 | 37,514 |
| 345 | 3390W | 534010 | Outside Services | 154,500 | 0 | 154,500 | 0 | 154,500 |
| 346 | 3390W | 534010 | Outside Services [2] | 0 | 0 | 0 | 0 | 0 |
| 347 | 3390W | 534010 | Outside Services [2] | 0 | 0 | 0 | 0 | 0 |
| 348 | 3390W | 534010 | Outside Services [2] | 0 | 0 | 0 | 0 | 0 |
| 349 | 3390W | 534010 | Outside Services [2] | 0 | 0 | 0 | 0 | 0 |
| 350 | 3390W | 534040 | Special Events | 0 | 0 | 0 | 0 | 0 |
| 351 | 3390W | 539055 | Credit Card Fees | 0 | 0 | 0 | 0 | 0 |
| 352 | 3390W | 541010 | Phone and Communications | 0 | 0 | 0 | 0 | 0 |
| 353 | 3390W | 542000 | Postage and Freight | 12,186 | 0 | 12,186 | 0 | 12,186 |
| 354 | 3390W | 543010 | Electricity | 0 | 0 | 0 | 0 | 0 |
| 355 | 3390W | 543020 | Water and Sewer | 60,564 | 0 | 60,564 | 0 | 60,564 |
| 356 | 3390W | 544010 | Uniforms | 0 | 0 | 0 | 0 | 0 |
| 357 | 3390W | 544030 | Equipment Rental | 0 | 0 | 0 | 0 | 0 |
| 358 | 3390W | 544070 | Lease - Bus / FEC Railroad | 3,200 | 0 | 3,200 | 0 | 3,200 |
| 359 | 3390W | 545010 | Property Insurance Premium | 160,000 | 0 | 160,000 | 0 | 160,000 |
| 360 | 3390W | 546020 | Communication Equipment | 0 | 0 | 0 | 0 | 0 |

Table 1-7
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|----------|-----------------|--------------|-------------------------------------|------------------|-------------------|------------------|-------------------|------------------|
| 361 | 3390W | 546050 | Computer Hardware Maintenance | 0 | 0 | 0 | 0 | 0 |
| 362 | 3390W | 546060 | Computer Software Maintenance | 21,293 | 0 | 21,293 | 0 | 21,293 |
| 363 | 3390W | 546070 | Equipment Maintenance Agreements | 0 | 0 | 0 | 0 | 0 |
| 364 | 3390W | 546080 | Infrastructure Maintenance | 0 | 0 | 0 | 0 | 0 |
| 365 | 3390W | 546090 | Office Equipment | 0 | 0 | 0 | 0 | 0 |
| 366 | 3390W | 547000 | Printing and Binding | 25,000 | 0 | 25,000 | 0 | 25,000 |
| 367 | 3390W | 548010 | Advertising | 850 | 0 | 850 | 0 | 850 |
| 368 | 3390W | 549970 | Contingencies | 0 | 0 | 0 | 0 | 0 |
| 369 | 3390W | 549980 | Grant Match Expenditures | 0 | 0 | 0 | 0 | 0 |
| 370 | 3390W | 549990 | Working Reserves [4] | 49,019 | 0 | 49,019 | (49,019) | 0 |
| 371 | 3390W | 551000 | Office Supplies | 0 | 0 | 0 | 0 | 0 |
| 372 | 3390W | 552010 | Specialized Supplies | 0 | 0 | 0 | 0 | 0 |
| 373 | 3390W | 552020 | Meter Boxes | 0 | 0 | 0 | 0 | 0 |
| 374 | 3390W | 552030 | Equipment and Tools | 0 | 0 | 0 | 0 | 0 |
| 375 | 3390W | 552050 | Medical Supplies | 0 | 0 | 0 | 0 | 0 |
| 376 | 3390W | 552060 | Chemicals | 0 | 0 | 0 | 0 | 0 |
| 377 | 3390W | 552070 | Small Furniture and Fixtures | 0 | 0 | 0 | 0 | 0 |
| 378 | 3390W | 552080 | Traffic Control / Signs | 0 | 0 | 0 | 0 | 0 |
| 379 | 3390W | 552090 | Horticultural / Beautification | 20,500 | 0 | 20,500 | 0 | 20,500 |
| 380 | 3390W | 552140 | Diesel Fuel | 0 | 0 | 0 | 0 | 0 |
| 381 | 3390W | 552150 | Motor Vehicle Fuel | 0 | 0 | 0 | 0 | 0 |
| 382 | 3390W | 552160 | Grease, Oil, and Lubricants | 0 | 0 | 0 | 0 | 0 |
| 383 | 3390W | 552170 | Computer Equipment and Supplies | 0 | 0 | 0 | 0 | 0 |
| 384 | 3390W | 552180 | Water Main Repair Parts | 0 | 0 | 0 | 0 | 0 |
| 385 | 3390W | 552200 | Uniforms / Protective Clothing | 0 | 0 | 0 | 0 | 0 |
| 386 | 3390W | 552210 | Building Materials / Supplies | 0 | 0 | 0 | 0 | 0 |
| 387 | 3390W | 552210 | Building Materials / Supplies [2] | 0 | 0 | 0 | 0 | 0 |
| 388 | 3390W | 552230 | CM Project / Program Supplies | 0 | 0 | 0 | 0 | 0 |
| 389 | 3390W | 552250 | Machinery Parts | 0 | 0 | 0 | 0 | 0 |
| 390 | 3390W | 552260 | Water Meter / Hydrant Parts | 0 | 0 | 0 | 0 | 0 |
| 391 | 3390W | 552270 | Hurricane Preparedness | 0 | 0 | 0 | 0 | 0 |
| 392 | 3390W | 552280 | Purchased Water | 0 | 0 | 0 | 0 | 0 |
| 393 | 3390W | 552290 | Cement | 0 | 0 | 0 | 0 | 0 |
| 394 | 3390W | 552300 | Drafting Supplies | 0 | 0 | 0 | 0 | 0 |
| 395 | 3390W | 553010 | Rock and Fill | 0 | 0 | 0 | 0 | 0 |
| 396 | 3390W | 553020 | Asphalt Paving Road Materials | 0 | 0 | 0 | 0 | 0 |
| 397 | 3390W | 554010 | Books and Publications | 0 | 0 | 0 | 0 | 0 |
| 398 | 3390W | 554030 | Dues and Memberships | 0 | 0 | 0 | 0 | 0 |
| 399 | 3390W | 554040 | Internet Subscriptions | 44,767 | 0 | 44,767 | 0 | 44,767 |
| 400 | 3390W | 554040 | Internet Subscriptions [2] | 0 | 0 | 0 | 0 | 0 |
| 401 | 3390W | 555010 | Computer Training | 0 | 0 | 0 | 0 | 0 |
| 402 | 3390W | 555020 | Meetings and Seminars | 0 | 0 | 0 | 0 | 0 |
| 403 | 3390W | 555030 | Tuition Reimbursement | 0 | 0 | 0 | 0 | 0 |
| 404 | 3390W | 555040 | General Employee Training | 20,000 | 0 | 20,000 | 0 | 20,000 |
| 405 | 3390W | 555060 | License and Certification | 0 | 0 | 0 | 0 | 0 |
| 406 | 3390W | 559010 | Depreciation Expense | 0 | 0 | 0 | 0 | 0 |
| 407 | 3390W | 564040 | Machinery and Equipment [2] | 0 | 0 | 0 | 0 | 0 |
| 408 | 3390W | 564040 | Machinery and Equipment [2] | 0 | 0 | 0 | 0 | 0 |
| 409 | 3390W | 564070 | Computer Equipment and Supplies [2] | 0 | 0 | 0 | 0 | 0 |
| 410 | 3390W | 565000 | Computer Equipment and Supplies [2] | 0 | 0 | 0 | 0 | 0 |
| 411 | 3390W | 565000 | Computer Equipment and Supplies [2] | 0 | 0 | 0 | 0 | 0 |
| 412 | 3390W | 565000 | Computer Equipment and Supplies [2] | 0 | 0 | 0 | 0 | 0 |
| 413 | 3390W | 565000 | Computer Equipment and Supplies [2] | 0 | 0 | 0 | 0 | 0 |
| 414 | 3390W | 565000 | Computer Equipment and Supplies [2] | 0 | 0 | 0 | 0 | 0 |
| 415 | 3390W | 565000 | Computer Equipment and Supplies [2] | 0 | 0 | 0 | 0 | 0 |
| 416 | 3390W | 565000 | Construction in Progress [2] | 0 | 0 | 0 | 0 | 0 |
| 417 | | | Total Operating Services | \$746,143 | \$0 | \$746,143 | (\$49,019) | \$697,124 |
| 418 | | | Total Non-Departmental | \$836,143 | \$0 | \$836,143 | (\$49,019) | \$787,124 |
| | 3395W | | Renewal & Replacement | | | | | |
| | | | <u>Personnel Costs</u> | | | | | |
| 419 | 3395W | 512000 | Regular Salaries and Wages | \$0 | \$0 | \$0 | \$0 | \$0 |
| 420 | 3395W | 513050 | Other Salaries and Wages | 0 | 0 | 0 | 0 | 0 |
| 421 | 3395W | 514000 | Overtime Pay | 0 | 0 | 0 | 0 | 0 |
| 422 | 3395W | 515150 | Auto and Travel Allowances | 0 | 0 | 0 | 0 | 0 |
| 423 | 3395W | 515200 | Sick Leave Buyback | 0 | 0 | 0 | 0 | 0 |

Table 1-7
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|----------|-----------------|--------------|--|--------------|-------------------|--------------|------------------|---------------|
| 424 | 3395W | 515250 | Payouts - Civil Service | 0 | 0 | 0 | 0 | 0 |
| 425 | 3395W | 515300 | Payouts - Sick Leave | 0 | 0 | 0 | 0 | 0 |
| 426 | 3395W | 515350 | Payouts - Vacation Pay | 0 | 0 | 0 | 0 | 0 |
| 427 | 3395W | 515400 | Tool Allowance | 0 | 0 | 0 | 0 | 0 |
| 428 | 3395W | 515500 | Sick Accrual Expense | 0 | 0 | 0 | 0 | 0 |
| 429 | 3395W | 515550 | Vacation Accrual Expense | 0 | 0 | 0 | 0 | 0 |
| 430 | 3395W | 521050 | Social Security | 0 | 0 | 0 | 0 | 0 |
| 431 | 3395W | 521100 | Medicare | 0 | 0 | 0 | 0 | 0 |
| 432 | 3395W | 522150 | Pensions - General Employees | 0 | 0 | 0 | 0 | 0 |
| 433 | 3395W | 522200 | Pensions - ICMA 401a | 0 | 0 | 0 | 0 | 0 |
| 434 | 3395W | 522250 | Pensions - OPEB | 0 | 0 | 0 | 0 | 0 |
| 435 | 3395W | 522300 | 401a Match Program | 0 | 0 | 0 | 0 | 0 |
| 436 | 3395W | 522350 | Pensions - Retirement Health | 0 | 0 | 0 | 0 | 0 |
| 437 | 3395W | 523050 | Health Insurance | 0 | 0 | 0 | 0 | 0 |
| 438 | 3395W | 523100 | Dental Insurance | 0 | 0 | 0 | 0 | 0 |
| 439 | 3395W | 523150 | Life Insurance | 0 | 0 | 0 | 0 | 0 |
| 440 | 3395W | 523200 | Long-term Disability Insurance | 0 | 0 | 0 | 0 | 0 |
| 441 | 3395W | 524000 | Workers' Compensation | 0 | 0 | 0 | 0 | 0 |
| 442 | 3395W | 525000 | Unemployment Compensation Fee | 0 | 0 | 0 | 0 | 0 |
| 443 | | | Total Personnel Costs | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | | <u>Operating Services</u> | | | | | |
| 444 | 3395W | 531010 | Professional Services | \$0 | \$0 | \$0 | \$0 | \$0 |
| 445 | 3395W | 534010 | Outside Services | 0 | 0 | 0 | 0 | 0 |
| 446 | 3395W | 534010 | Outside Services | 0 | 0 | 0 | 0 | 0 |
| 447 | 3395W | 534010 | Outside Services | 0 | 0 | 0 | 0 | 0 |
| 448 | 3395W | 546080 | Infrastructure Maintenance | 0 | 0 | 0 | 0 | 0 |
| 449 | 3395W | 552260 | Water Meter / Hydrant Parts | 0 | 0 | 0 | 0 | 0 |
| 450 | 3395W | 559010 | Depreciation Expense | 0 | 0 | 0 | 0 | 0 |
| 451 | 3395W | 564040 | Machinery and Equipment [2] | 0 | 0 | 0 | 0 | 0 |
| 452 | 3395W | 565000 | Construction in Progress [2] | 0 | 0 | 0 | 0 | 0 |
| 453 | 3395W | 565000 | Construction in Progress [2] | 0 | 0 | 0 | 0 | 0 |
| 454 | 3395W | 565000 | Construction in Progress [2] | 0 | 0 | 0 | 0 | 0 |
| 455 | 3395W | 565000 | Construction in Progress [2] | 330,000 | 0 | 330,000 | (330,000) | 0 |
| 456 | 3395W | 565000 | Construction in Progress [2] | 0 | 0 | 0 | 0 | 0 |
| 457 | | | Total Operating Services | \$330,000 | \$0 | \$330,000 | (\$330,000) | \$0 |
| 458 | | | Total Renewal & Replacement | \$330,000 | \$0 | \$330,000 | (\$330,000) | \$0 |
| | 3396W | | Equipment Replacement | | | | | |
| | | | <u>Operating Services</u> | | | | | |
| 459 | 3396W | | Admin Charges to Fleet Services | \$274,844 | \$0 | \$274,844 | \$0 | \$274,844 |
| 460 | | | Total Operating Services | \$274,844 | \$0 | \$274,844 | \$0 | \$274,844 |
| 461 | | | Total Equipment Replacement | \$274,844 | \$0 | \$274,844 | \$0 | \$274,844 |
| 462 | | | Subtotal Water System | \$10,297,585 | \$0 | \$10,297,585 | (\$2,566,580) | \$7,731,005 |
| | 8910W | | Charges to Other Fund | | | | | |
| 463 | 8910W | 549001 | Administrative Charge to the General Fund | \$1,308,714 | \$0 | \$1,308,714 | \$0 | \$1,308,714 |
| 464 | 8910W | 549160 | Administrative Charge to the Transportation Fund | 12,387 | 0 | 12,387 | 0 | 12,387 |
| 465 | 8910W | 549410 | Administrative Charge to the Sanitation Fund | 13,824 | 0 | 13,824 | 0 | 13,824 |
| 466 | 8910W | 549440 | Administrative Charge to the Stormwater Fund | 10,052 | 0 | 10,052 | 0 | 10,052 |
| 467 | | | Total Charges to Other Funds | \$1,344,977 | \$0 | \$1,344,977 | \$0 | \$1,344,977 |
| | 9008W | | Transfers to Other Funds | | | | | |
| 468 | 9008W | 549110 | 10% Operating Reserve [4] | \$0 | \$0 | \$0 | \$0 | \$0 |
| 469 | 9008W | 549103 | Transfer to Renewal and Replacement Fund [6] | 0 | 0 | 0 | 0 | 0 |
| 470 | 9008W | 549801 | Transfer to General Fund [5] | 0 | 0 | 0 | 0 | 0 |
| 471 | 9008W | 549860 | Transfer to Transportation [5] | 0 | 0 | 0 | 0 | 0 |
| 472 | 9008W | 549880 | Transfer to Capital Projects [5] | 0 | 0 | 0 | 0 | 0 |
| 473 | 9008W | 549890 | Transfer to General Liability [5] | 111,600 | 0 | 111,600 | (111,600) | 0 |
| 474 | 9008W | 549891 | Transfer to Impact Fee [5] | 0 | 0 | 0 | 0 | 0 |

Table 1-7
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|----------|-----------------|--------------|--|---------------------|-------------------|---------------------|----------------------|--------------------|
| 475 | | | Total Transfers to Other Funds | \$111,600 | \$0 | \$111,600 | (\$111,600) | \$0 |
| 476 | 2023EW | 565000 | Developer Agreement - Village of Gulfstream Construction in Progress [2] | \$0 | \$0 | \$0 | \$0 | \$0 |
| 477 | | | Total Developer Agreement - Village of Gulfstream | \$0 | \$0 | \$0 | \$0 | \$0 |
| 478 | 2026GW | 531000 | Developer Agreement - Wal-Mart Professional Services [2] | \$0 | \$0 | \$0 | \$0 | \$0 |
| 479 | | | Total Developer Agreement - Wal-Mart | \$0 | \$0 | \$0 | \$0 | \$0 |
| 480 | | 599000 | Other Capital Reclassified as Operating Expense | \$0 | \$0 | \$0 | \$0 | \$0 |
| 481 | | | Contingency (1.00% of O&M) [7] | 0 | 0 | 0 | 91,018 | 91,018 |
| 482 | | | Bad Debt Expense (0.25% of Rate Revenues) [8] | 0 | 0 | 0 | 25,828 | 25,828 |
| 483 | | | Additional Personnel Expenses | 0 | 0 | 0 | 0 | 0 |
| 484 | | | Total Other | \$0 | \$0 | \$0 | \$116,846 | \$116,846 |
| 485 | | | Total Water System | <u>\$11,754,162</u> | <u>\$0</u> | <u>\$11,754,162</u> | <u>(\$2,561,334)</u> | <u>\$9,192,828</u> |

Footnotes:

- [1] Based on budgeted figures for the Fiscal Year Ending September 30, 2018 as provided by the City.
- [2] Equipment expenses and other capital outlay are adjusted from projected operating expenses and reflected in the capital improvement program on Table 1-14.
- [3] Amounts reflect reductions in the operating budget for debt service payments associated with long-term debt. Such amounts are reflected in Table 1-15.
- [4] Amounts reflect reductions in the operating budget for transfers to the operating fund. Any net surplus or deficiency from revenues is derived on Table 1-18.
- [5] Amounts reflect reductions in the operating budget for intergovernmental transfers shown in Table 1-17.
- [6] Amount reflect reductions in the operating budget for transfers to the R&R Fund shown in Table 1-16.
- [7] Amount based on 1.00% of annual expenses to allow for unforeseen expenses.
- [8] Amount based on 0.25% of annual revenues to allow for uncollectible accounts.

Table 1-8
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Wastewater Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|----------|-----------------|--------------|--|--------------------|-------------------|--------------------|------------------|--------------------|
| | 3510S | | Sewer Collection Administration | | | | | |
| | | | <u>Personnel Costs</u> | | | | | |
| 1 | 3510S | 512000 | Regular Salaries and Wages | \$614,255 | \$0 | \$614,255 | \$0 | \$614,255 |
| 2 | 3510S | 514000 | Overtime Pay | 30,000 | 0 | 30,000 | 0 | 30,000 |
| 3 | 3510S | 515150 | Auto and Travel Allowances | 0 | 0 | 0 | 0 | 0 |
| 4 | 3510S | 515250 | Payouts - Civil Service | 0 | 0 | 0 | 0 | 0 |
| 5 | 3510S | 515300 | Payouts - Sick Leave | 0 | 0 | 0 | 0 | 0 |
| 6 | 3510S | 515350 | Payouts - Vacation Pay | 0 | 0 | 0 | 0 | 0 |
| 7 | 3510S | 521050 | Social Security | 35,099 | 0 | 35,099 | 0 | 35,099 |
| 8 | 3510S | 521100 | Medicare | 8,301 | 0 | 8,301 | 0 | 8,301 |
| 9 | 3510S | 522150 | Pensions - General Employees | 134,644 | 0 | 134,644 | 0 | 134,644 |
| 10 | 3510S | 522200 | Pensions - ICMA 401a | 25,233 | 0 | 25,233 | 0 | 25,233 |
| 11 | 3510S | 522250 | Pensions - OPEB | 0 | 0 | 0 | 0 | 0 |
| 12 | 3510S | 522300 | 401a Match Program | 14,236 | 0 | 14,236 | 0 | 14,236 |
| 13 | 3510S | 522350 | Pensions - Retirement Health | 10,751 | 0 | 10,751 | 0 | 10,751 |
| 14 | 3510S | 523050 | Health Insurance | 156,723 | 0 | 156,723 | 0 | 156,723 |
| 15 | 3510S | 523100 | Dental Insurance | 1,169 | 0 | 1,169 | 0 | 1,169 |
| 16 | 3510S | 523150 | Life Insurance | 976 | 0 | 976 | 0 | 976 |
| 17 | 3510S | 523200 | Long-term Disability Insurance | 864 | 0 | 864 | 0 | 864 |
| 18 | 3510S | 524000 | Workers' Compensation | 5,937 | 0 | 5,937 | 0 | 5,937 |
| 19 | | | Total Personnel Costs | \$1,038,188 | \$0 | \$1,038,188 | \$0 | \$1,038,188 |
| | | | <u>Operating Services</u> | | | | | |
| 20 | 3510S | 531010 | Professional Services | \$15,000 | \$0 | \$15,000 | \$0 | \$15,000 |
| 21 | 3510S | 534010 | Outside Services | 56,000 | 0 | 56,000 | 0 | 56,000 |
| 22 | 3510S | 534040 | Special Events | 0 | 0 | 0 | 0 | 0 |
| 23 | 3510S | 541010 | Phone and Communications | 924 | 0 | 924 | 0 | 924 |
| 24 | 3510S | 543010 | Electricity | 96,000 | 0 | 96,000 | 0 | 96,000 |
| 25 | 3510S | 543020 | Water and Sewer | 4,000 | 0 | 4,000 | 0 | 4,000 |
| 26 | 3510S | 544010 | Uniforms | 3,273 | 0 | 3,273 | 0 | 3,273 |
| 27 | 3510S | 544030 | Equipment Rental | 1,000 | 0 | 1,000 | 0 | 1,000 |
| 28 | 3510S | 546070 | Maintenance Agreements | 50,000 | 0 | 50,000 | 0 | 50,000 |
| 29 | 3510S | 546090 | Office Equipment | 0 | 0 | 0 | 0 | 0 |
| 30 | 3510S | 551000 | Office Supplies | 0 | 0 | 0 | 0 | 0 |
| 31 | 3510S | 552030 | Equipment and Tools | 10,000 | 0 | 10,000 | 0 | 10,000 |
| 32 | 3510S | 552050 | Medical Supplies | 0 | 0 | 0 | 0 | 0 |
| 33 | 3510S | 552080 | Traffic Control / Signs | 3,000 | 0 | 3,000 | 0 | 3,000 |
| 34 | 3510S | 552140 | Diesel Fuel | 20,124 | 0 | 20,124 | 0 | 20,124 |
| 35 | 3510S | 552150 | Motor Vehicle Fuel | 9,000 | 0 | 9,000 | 0 | 9,000 |
| 36 | 3510S | 552170 | Computer Equipment and Supplies | 0 | 0 | 0 | 0 | 0 |
| 37 | 3510S | 552200 | Uniforms / Protective Clothing | 3,600 | 0 | 3,600 | 0 | 3,600 |
| 38 | 3510S | 552210 | Building Materials / Supplies | 3,000 | 0 | 3,000 | 0 | 3,000 |
| 39 | 3510S | 552300 | Drafting Supplies | 0 | 0 | 0 | 0 | 0 |
| 40 | 3510S | 552250 | Machinery Parts | 35,000 | 0 | 35,000 | 0 | 35,000 |
| 41 | 3510S | 552250 | Machinery Parts [2] | 0 | 0 | 0 | 0 | 0 |
| 42 | 3510S | 553010 | Rock and Fill | 1,500 | 0 | 1,500 | 0 | 1,500 |
| 43 | 3510S | 553020 | Asphalt Paving Road Materials | 4,000 | 0 | 4,000 | 0 | 4,000 |
| 44 | 3510S | 554010 | Books and Publications | 0 | 0 | 0 | 0 | 0 |
| 45 | 3510S | 554030 | Dues and Memberships | 0 | 0 | 0 | 0 | 0 |
| 46 | 3510S | 555020 | Meetings and Seminars | 0 | 0 | 0 | 0 | 0 |
| 47 | 3510S | 555040 | General Employee Training | 3,050 | 0 | 3,050 | 0 | 3,050 |
| 48 | 3510S | 555060 | License and Certification | 1,280 | 0 | 1,280 | 0 | 1,280 |
| 49 | 3510S | 564040 | Machinery and Equipment [2] | 0 | 0 | 0 | 0 | 0 |
| 50 | | | Total Operating Services | \$319,751 | \$0 | \$319,751 | \$0 | \$319,751 |
| 51 | | | Total Sewer Collection Administration | \$1,357,939 | \$0 | \$1,357,939 | \$0 | \$1,357,939 |
| | 3580S | | Debt Service | | | | | |
| 52 | 3580S | 544020 | Principal Series - 2018 SRF [3] | \$12,390 | \$0 | \$12,390 | (\$12,390) | \$0 |
| 53 | 3580S | 571220 | Principal - 2012 Chase Note [3] | 64,976 | 0 | 64,976 | (64,976) | 0 |

Table 1-8
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Wastewater Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|----------|-----------------|--------------|--|------------------|-------------------|------------------|--------------------|-----------------|
| 54 | 3580S | 571225 | Principal - Bond Series 2014 [3] | 57,368 | 0 | 57,368 | (57,368) | 0 |
| 55 | 3580S | 572200 | Interest Series - 2018 SRF [3] | 3,811 | 0 | 3,811 | (3,811) | 0 |
| 56 | 3580S | 572220 | Interest - 2012 Chase Note [3] | 4,496 | 0 | 4,496 | (4,496) | 0 |
| 57 | 3580S | 572225 | Interest - Bond Series 2014 [3] | 10,627 | 0 | 10,627 | (10,627) | 0 |
| 58 | 3580S | 573160 | Other Debt Service Costs - 2005A Bonds | 0 | 0 | 0 | 0 | 0 |
| 59 | | | Total Debt Service | \$153,668 | \$0 | \$153,668 | (\$153,668) | \$0 |
| | 3590S | | Non-Departmental | | | | | |
| | | | <u>Personnel Costs</u> | | | | | |
| 60 | 3590S | 512000 | Regular Salaries and Wages | \$0 | \$0 | \$0 | \$0 | \$0 |
| 61 | 3590S | 513050 | Other Salaries and Wages | 0 | 0 | 0 | 0 | 0 |
| 62 | 3590S | 514000 | Overtime Pay | 0 | 0 | 0 | 0 | 0 |
| 63 | 3590S | 515150 | Auto and Travel Allowances | 0 | 0 | 0 | 0 | 0 |
| 64 | 3590S | 515200 | Sick Leave Buyback | 0 | 0 | 0 | 0 | 0 |
| 65 | 3590S | 515250 | Payouts - Civil Service | 0 | 0 | 0 | 0 | 0 |
| 66 | 3590S | 515300 | Payouts - Sick Leave | 5,000 | 0 | 5,000 | 0 | 5,000 |
| 67 | 3590S | 515350 | Payouts - Vacation Pay | 5,000 | 0 | 5,000 | 0 | 5,000 |
| 68 | 3590S | 515400 | Tool Allowance | 0 | 0 | 0 | 0 | 0 |
| 69 | 3590S | 515500 | Sick Accrual Expense | 0 | 0 | 0 | 0 | 0 |
| 70 | 3590S | 515550 | Vacation Accrual Expense | 0 | 0 | 0 | 0 | 0 |
| 71 | 3590S | 521050 | Social Security | 0 | 0 | 0 | 0 | 0 |
| 72 | 3590S | 521100 | Medicare | 0 | 0 | 0 | 0 | 0 |
| 73 | 3590S | 522150 | Pensions - General Employees | 0 | 0 | 0 | 0 | 0 |
| 74 | 3590S | 522151 | General GASB 68 | 0 | 0 | 0 | 0 | 0 |
| 75 | 3590S | 522200 | Pensions - ICMA 401a | 0 | 0 | 0 | 0 | 0 |
| 76 | 3590S | 522250 | Pensions - OPEB | 0 | 0 | 0 | 20,860 | 20,860 |
| 77 | 3590S | 522300 | 401a Match Program | 0 | 0 | 0 | 0 | 0 |
| 78 | 3590S | 522350 | Pensions - Retirement Health | 0 | 0 | 0 | 0 | 0 |
| 79 | 3590S | 523050 | Health Insurance | 0 | 0 | 0 | 0 | 0 |
| 80 | 3590S | 523100 | Dental Insurance | 0 | 0 | 0 | 0 | 0 |
| 81 | 3590S | 523150 | Life Insurance | 0 | 0 | 0 | 0 | 0 |
| 82 | 3590S | 523200 | Long-term Disability Insurance | 0 | 0 | 0 | 0 | 0 |
| 83 | 3590S | 524000 | Workers' Compensation | 0 | 0 | 0 | 0 | 0 |
| 84 | 3590S | 525000 | Unemployment Compensation Fee | 0 | 0 | 0 | 0 | 0 |
| 85 | | | Total Personnel Costs | \$10,000 | \$0 | \$10,000 | \$20,860 | \$30,860 |
| | | | <u>Operating Services</u> | | | | | |
| 86 | 3590S | 531010 | Professional Services | \$0 | \$0 | \$0 | \$0 | \$0 |
| 87 | 3590S | 531030 | Employee Physicals | 1,750 | 0 | 1,750 | 0 | 1,750 |
| 88 | 3590S | 531040 | Legal Services | 0 | 0 | 0 | 0 | 0 |
| 89 | 3590S | 531050 | Filing and Lien Recording Fees | 0 | 0 | 0 | 0 | 0 |
| 90 | 3590S | 532000 | Accounting and Auditing | 0 | 0 | 0 | 0 | 0 |
| 91 | 3590S | 534010 | Outside Services | 0 | 0 | 0 | 0 | 0 |
| 92 | 3590S | 534010 | Outside Services | 0 | 0 | 0 | 0 | 0 |
| 93 | 3590S | 534010 | Outside Services | 0 | 0 | 0 | 0 | 0 |
| 94 | 3590S | 534040 | Special Events | 16,000 | 0 | 16,000 | 0 | 16,000 |
| 95 | 3590S | 539055 | Credit Card Fees | 0 | 0 | 0 | 0 | 0 |
| 96 | 3590S | 541010 | Phone and Communications | 0 | 0 | 0 | 0 | 0 |
| 97 | 3590S | 542000 | Postage and Freight | 11,100 | 0 | 11,100 | 0 | 11,100 |
| 98 | 3590S | 543010 | Electricity | 0 | 0 | 0 | 0 | 0 |
| 99 | 3590S | 543020 | Water and Sewer | 0 | 0 | 0 | 0 | 0 |
| 100 | 3590S | 543050 | Wastewater Treatment | 9,453,500 | 0 | 9,453,500 | 0 | 9,453,500 |
| 101 | 3590S | 544010 | Uniforms | 0 | 0 | 0 | 0 | 0 |
| 102 | 3590S | 544030 | Equipment Rental | 0 | 0 | 0 | 0 | 0 |
| 103 | 3590S | 544070 | Lease - Bus / FEC Railroad | 0 | 0 | 0 | 0 | 0 |
| 104 | 3590S | 545010 | Property Insurance Premium | 0 | 0 | 0 | 0 | 0 |
| 105 | 3590S | 546020 | Communication Equipment | 0 | 0 | 0 | 0 | 0 |
| 106 | 3590S | 546050 | Computer Hardware Maintenance | 0 | 0 | 0 | 0 | 0 |
| 107 | 3590S | 546060 | Computer Software Maintenance | 0 | 0 | 0 | 0 | 0 |
| 108 | 3590S | 546070 | Equipment Maintenance Agreements | 0 | 0 | 0 | 0 | 0 |
| 109 | 3590S | 546080 | Infrastructure Maintenance | 0 | 0 | 0 | 0 | 0 |
| 110 | 3590S | 546090 | Office Equipment | 0 | 0 | 0 | 0 | 0 |
| 111 | 3590S | 547000 | Printing and Binding | 0 | 0 | 0 | 0 | 0 |
| 112 | 3590S | 548010 | Advertising | 850 | 0 | 850 | 0 | 850 |

Table 1-8
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Wastewater Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|----------|-----------------|--------------|-------------------------------------|--------------------|-------------------|--------------------|------------------|--------------------|
| 113 | 3590S | 549970 | Contingencies | 0 | 0 | 0 | 0 | 0 |
| 114 | 3590S | 549980 | Grant Match Expenditures | 0 | 0 | 0 | 0 | 0 |
| 115 | 3590S | 549990 | Working Reserves | 0 | 0 | 0 | 0 | 0 |
| 116 | 3590S | 551000 | Office Supplies | 0 | 0 | 0 | 0 | 0 |
| 117 | 3590S | 552010 | Specialized Supplies | 0 | 0 | 0 | 0 | 0 |
| 118 | 3590S | 552020 | Meter Boxes | 0 | 0 | 0 | 0 | 0 |
| 119 | 3590S | 552030 | Equipment and Tools | 0 | 0 | 0 | 0 | 0 |
| 120 | 3590S | 552050 | Medical Supplies | 0 | 0 | 0 | 0 | 0 |
| 121 | 3590S | 552060 | Chemicals | 0 | 0 | 0 | 0 | 0 |
| 122 | 3590S | 552070 | Small Furniture and Fixtures | 0 | 0 | 0 | 0 | 0 |
| 123 | 3590S | 552080 | Traffic Control / Signs | 0 | 0 | 0 | 0 | 0 |
| 124 | 3590S | 552090 | Horticultural / Beautification | 18,500 | 0 | 18,500 | 0 | 18,500 |
| 125 | 3590S | 552140 | Diesel Fuel | 0 | 0 | 0 | 0 | 0 |
| 126 | 3590S | 552150 | Motor Vehicle Fuel | 0 | 0 | 0 | 0 | 0 |
| 127 | 3590S | 552160 | Grease, Oil, and Lubricants | 0 | 0 | 0 | 0 | 0 |
| 128 | 3590S | 552170 | Computer Equipment and Supplies | 0 | 0 | 0 | 0 | 0 |
| 129 | 3590S | 552180 | Water Main Repair Parts | 0 | 0 | 0 | 0 | 0 |
| 130 | 3590S | 552200 | Uniforms / Protective Clothing | 0 | 0 | 0 | 0 | 0 |
| 131 | 3590S | 552210 | Building Materials / Supplies | 0 | 0 | 0 | 0 | 0 |
| 132 | 3590S | 552230 | CM Project / Program Supplies | 0 | 0 | 0 | 0 | 0 |
| 133 | 3590S | 552250 | Machinery Parts | 0 | 0 | 0 | 0 | 0 |
| 134 | 3590S | 552270 | Hurricane Preparedness | 0 | 0 | 0 | 0 | 0 |
| 135 | 3590S | 552290 | Cement | 0 | 0 | 0 | 0 | 0 |
| 136 | 3590S | 552300 | Drafting Supplies | 0 | 0 | 0 | 0 | 0 |
| 137 | 3590S | 553010 | Rock and Fill | 0 | 0 | 0 | 0 | 0 |
| 138 | 3590S | 553020 | Asphalt Paving Road Materials | 0 | 0 | 0 | 0 | 0 |
| 139 | 3590S | 554010 | Books and Publications | 0 | 0 | 0 | 0 | 0 |
| 140 | 3590S | 554030 | Dues and Memberships | 0 | 0 | 0 | 0 | 0 |
| 141 | 3590S | 554040 | Internet Subscriptions | 0 | 0 | 0 | 0 | 0 |
| 142 | 3590S | 555010 | Computer Training | 0 | 0 | 0 | 0 | 0 |
| 143 | 3590S | 555020 | Meetings and Seminars | 0 | 0 | 0 | 0 | 0 |
| 144 | 3590S | 555030 | Tuition Reimbursement | 0 | 0 | 0 | 0 | 0 |
| 145 | 3590S | 555040 | General Employee Training | 0 | 0 | 0 | 0 | 0 |
| 146 | 3590S | 555060 | License and Certification | 0 | 0 | 0 | 0 | 0 |
| 147 | 3590S | 559010 | Depreciation Expense | 0 | 0 | 0 | 0 | 0 |
| 148 | 3590S | 564040 | Machinery and Equipment [2] | 0 | 0 | 0 | 0 | 0 |
| 149 | 3590S | 564070 | Computer Equipment and Supplies [2] | 0 | 0 | 0 | 0 | 0 |
| 150 | 3590S | 565000 | Construction in Progress [2] | 0 | 0 | 0 | 0 | 0 |
| 151 | 3590S | 565000 | Construction in Progress [2] | 0 | 0 | 0 | 0 | 0 |
| 152 | 3590S | 565000 | Construction in Progress [2] | 0 | 0 | 0 | 0 | 0 |
| 153 | | | Total Operating Services | \$9,501,700 | \$0 | \$9,501,700 | \$0 | \$9,501,700 |
| 154 | | | Total Non-Departmental | \$9,511,700 | \$0 | \$9,511,700 | \$20,860 | \$9,532,560 |
| | 3595S | | Renewal & Replacement | | | | | |
| | | | <u>Personnel Costs</u> | | | | | |
| 155 | 3595S | 512000 | Regular Salaries and Wages | \$0 | \$0 | \$0 | \$0 | \$0 |
| 156 | 3595S | 513050 | Other Salaries and Wages | 0 | 0 | 0 | 0 | 0 |
| 157 | 3595S | 514000 | Overtime Pay | 0 | 0 | 0 | 0 | 0 |
| 158 | 3595S | 515150 | Auto and Travel Allowances | 0 | 0 | 0 | 0 | 0 |
| 159 | 3595S | 515200 | Sick Leave Buyback | 0 | 0 | 0 | 0 | 0 |
| 160 | 3595S | 515250 | Payouts - Civil Service | 0 | 0 | 0 | 0 | 0 |
| 161 | 3595S | 515300 | Payouts - Sick Leave | 0 | 0 | 0 | 0 | 0 |
| 162 | 3595S | 515350 | Payouts - Vacation Pay | 0 | 0 | 0 | 0 | 0 |
| 163 | 3595S | 515400 | Tool Allowance | 0 | 0 | 0 | 0 | 0 |
| 164 | 3595S | 515500 | Sick Accrual Expense | 0 | 0 | 0 | 0 | 0 |
| 165 | 3595S | 515550 | Vacation Accrual Expense | 0 | 0 | 0 | 0 | 0 |
| 166 | 3595S | 521050 | Social Security | 0 | 0 | 0 | 0 | 0 |
| 167 | 3595S | 521100 | Medicare | 0 | 0 | 0 | 0 | 0 |
| 168 | 3595S | 522150 | Pensions - General Employees | 0 | 0 | 0 | 0 | 0 |
| 169 | 3595S | 522200 | Pensions - ICMA 401a | 0 | 0 | 0 | 0 | 0 |
| 170 | 3595S | 522250 | Pensions - OPEB | 0 | 0 | 0 | 0 | 0 |
| 171 | 3595S | 522300 | 401a Match Program | 0 | 0 | 0 | 0 | 0 |
| 172 | 3595S | 522350 | Pensions - Retirement Health | 0 | 0 | 0 | 0 | 0 |
| 173 | 3595S | 523050 | Health Insurance | 0 | 0 | 0 | 0 | 0 |

Table 1-8
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Wastewater Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|----------|-----------------|--------------|---|--------------|-------------------|--------------|------------------|---------------|
| 174 | 3595S | 523100 | Dental Insurance | 0 | 0 | 0 | 0 | 0 |
| 175 | 3595S | 523150 | Life Insurance | 0 | 0 | 0 | 0 | 0 |
| 176 | 3595S | 523200 | Long-term Disability Insurance | 0 | 0 | 0 | 0 | 0 |
| 177 | 3595S | 524000 | Workers' Compensation | 0 | 0 | 0 | 0 | 0 |
| 178 | 3595S | 525000 | Unemployment Compensation Fee | 0 | 0 | 0 | 0 | 0 |
| 179 | | | Total Personnel Costs | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | | <u>Operating Services</u> | | | | | |
| 180 | 3595S | 531010 | Professional Services [2] | \$0 | \$0 | \$0 | \$0 | \$0 |
| 181 | 3595S | 534010 | Outside Services [2] | 0 | 0 | 0 | 0 | 0 |
| 182 | 3595S | 552170 | Computer Equipment and Supplies [2] | 0 | 0 | 0 | 0 | 0 |
| 183 | 3595S | 563070 | Sewer Lines [2] | 0 | 0 | 0 | 0 | 0 |
| 184 | 3595S | 564040 | Machinery and Equipment [2] | 0 | 0 | 0 | 0 | 0 |
| 185 | 3595S | 565000 | Construction in Progress [2] | 0 | 0 | 0 | 0 | 0 |
| 186 | 3595S | 565000 | Construction in Progress [2] | 0 | 0 | 0 | 0 | 0 |
| 187 | 3595S | 565000 | Construction in Progress [2] | 1,111,705 | 0 | 1,111,705 | (1,111,705) | 0 |
| 188 | | | Total Operating Services | \$1,111,705 | \$0 | \$1,111,705 | (\$1,111,705) | \$0 |
| 189 | | | Total Renewal & Replacement | \$1,111,705 | \$0 | \$1,111,705 | (\$1,111,705) | \$0 |
| | 3596S | | Equipment Replacement | | | | | |
| | | | <u>Operating Services</u> | | | | | |
| 190 | 3596S | 549530 | Admin Charges to Fleet Services | \$381,784 | \$0 | \$381,784 | \$0 | \$381,784 |
| 191 | | | Total Operating Services | \$381,784 | \$0 | \$381,784 | \$0 | \$381,784 |
| 192 | | | Total Equipment Replacement | \$381,784 | \$0 | \$381,784 | \$0 | \$381,784 |
| 193 | | | Subtotal Sewer System | \$12,516,796 | \$0 | \$12,516,796 | (\$1,244,513) | \$11,272,283 |
| | 3596S | | SRF Loan WW0061720 | | | | | |
| | | | <u>Operating Services</u> | | | | | |
| 194 | 3596S | 531010 | Professional Services | \$0 | \$0 | \$0 | \$0 | \$0 |
| 195 | | | Total Operating Services | \$0 | \$0 | \$0 | \$0 | \$0 |
| 196 | | | Total SRF Loan WW0061720 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | 8912S | | Charges to Other Fund | | | | | |
| 197 | 8912S | 549001 | Administrative Transfer to the General Fund | \$1,098,347 | \$0 | \$1,098,347 | \$0 | \$1,098,347 |
| 198 | 8912S | 549160 | Administrative Transfer to the Transportation | 874 | 0 | 874 | 0 | 874 |
| 199 | 8912S | 549410 | Administrative Transfer to the Sanitation | 61,860 | 0 | 61,860 | 0 | 61,860 |
| 200 | 8912S | 549440 | Administrative Transfer to the Stormwater | 11,489 | 0 | 11,489 | 0 | 11,489 |
| 201 | | | Total Charges to Other Funds | \$1,172,570 | \$0 | \$1,172,570 | \$0 | \$1,172,570 |
| | 9010S | | Transfers to Other Funds | | | | | |
| 202 | 9010S | 549110 | 10% Operating Reserve | \$1,000,000 | \$0 | \$1,000,000 | \$0 | \$1,000,000 |
| 202 | 9010S | 549103 | Transfer to Renewal and Replacement Fund [6] | 0 | 0 | 0 | 0 | 0 |
| 203 | 9010S | 549801 | Transfer to General Fund [5] | 0 | 0 | 0 | 0 | 0 |
| 204 | 9010S | 549860 | Transfer to Transportation [5] | 0 | 0 | 0 | 0 | 0 |
| 205 | 9010S | 549880 | Transfer to Capital Projects [5] | 0 | 0 | 0 | 0 | 0 |
| 206 | 9010S | 549890 | Transfer to General Liability [5] | 0 | 0 | 0 | 0 | 0 |
| 207 | 9010S | 549891 | Transfer to Impact Fee [5] | 0 | 0 | 0 | 0 | 0 |
| 208 | | | Total Transfers to Other Funds | \$1,000,000 | \$0 | \$1,000,000 | \$0 | \$1,000,000 |

Table 1-8
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Wastewater Operating Expenses

| Line No. | Department Code | Object Codes | Description | Budget 2018 | Budget Amendments | Amended 2018 | PRMG Adjustments | Adjusted 2018 |
|--------------|-----------------|--------------|---|----------------------------|-------------------|----------------------------|-----------------------------|----------------------------|
| Other | | | | | | | | |
| 209 | | 599000 | Capital Reclassified as Operating Expense | \$0 | \$0 | \$0 | \$0 | \$0 |
| 210 | | | Contingency (1.00% of O&M) [7] | 0 | 0 | 0 | 134,802 | 134,802 |
| 211 | | | Bad Debt (0.25% of Rate Revenues) [8] | 0 | 0 | 0 | 35,391 | 35,391 |
| 212 | | | Additional Personnel Expenses | 0 | 0 | 0 | 0 | 0 |
| 213 | | | Total Other Expenses | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> | <u>\$170,194</u> | <u>\$170,194</u> |
| 214 | | | Total System | <u><u>\$14,689,366</u></u> | <u><u>\$0</u></u> | <u><u>\$14,689,366</u></u> | <u><u>(\$1,074,319)</u></u> | <u><u>\$13,615,047</u></u> |

Footnotes:

- [1] Based on budgeted figures for the Fiscal Year Ending September 30, 2018 as provided by the City.
- [2] Equipment expenses and other capital outlay are adjusted from projected operating expenses and reflected in the capital improvement program on Table 1-14.
- [3] Amounts reflect reductions in the operating budget for debt service payments associated with long-term debt. Such amounts are reflected in Table 1-15.
- [4] Amounts reflect reductions in the operating budget for transfers to the operating fund. Any net surplus or deficiency from revenues is derived on Table 1-19.
- [5] Amounts reflect reductions in the operating budget for intergovernmental transfers shown in Table 1-17.
- [6] Amount reflect reductions in the operating budget for transfers to the R&R Fund shown in Table 1-16.
- [7] Amount based on 1.00% of annual expenses to allow for unforeseen expenses.
- [8] Amount based on 0.25% of annual revenues to allow for uncollectible accounts.

Table 1-9
City of Hallandale Beach, Florida
Utility Rate Study

Projected Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Adjusted [1] 2018 | Escalation Reference [2] | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|--------------|-----------------------------------|----------------------|-----------------------------|--|-------------|-------------|-------------|
| | | | | | | 2019 | 2020 | 2021 | 2022 |
| | 3310W | | Water Administration | | | | | | |
| | | | <u>Personnel Costs</u> | | | | | | |
| 1 | 3310W | 512000 | Regular Salaries and Wages | \$796,036 | Personnel | \$819,917 | \$844,515 | \$869,850 | \$895,946 |
| 2 | 3310W | 514000 | Overtime Pay | 6,000 | Personnel | 6,180 | 6,365 | 6,556 | 6,753 |
| 3 | 3310W | 515150 | Auto and Travel Allowances | 4,200 | Inflation | 4,297 | 4,400 | 4,505 | 4,613 |
| 4 | 3310W | 515250 | Payouts - Civil Service | 0 | Personnel | 0 | 0 | 0 | 0 |
| 5 | 3310W | 515300 | Payouts - Sick Leave | 0 | Personnel | 0 | 0 | 0 | 0 |
| 6 | 3310W | 515350 | Payouts - Vacation Pay | 0 | Personnel | 0 | 0 | 0 | 0 |
| 7 | 3310W | 521050 | Social Security | 47,418 | Personnel | 48,841 | 50,306 | 51,815 | 53,369 |
| 8 | 3310W | 521100 | Medicare | 11,286 | Personnel | 11,625 | 11,973 | 12,333 | 12,702 |
| 9 | 3310W | 522150 | Pensions - General Employees | 75,949 | Personnel | 78,227 | 80,574 | 82,992 | 85,481 |
| 10 | 3310W | 522200 | Pensions - ICMA 401a | 71,871 | Personnel | 74,027 | 76,248 | 78,535 | 80,891 |
| 11 | 3310W | 522250 | Pensions - OPEB | 41,453 | Personnel | 42,697 | 43,978 | 45,297 | 46,656 |
| 12 | 3310W | 522300 | 401a Match Program | 23,767 | Personnel | 24,480 | 25,214 | 25,971 | 26,750 |
| 13 | 3310W | 522350 | Pensions - Retirement Health | 9,806 | Personnel | 10,100 | 10,403 | 10,715 | 11,037 |
| 14 | 3310W | 523050 | Health Insurance | 135,191 | Ins-Health | 148,710 | 163,581 | 179,939 | 197,933 |
| 15 | 3310W | 523100 | Dental Insurance | 3,862 | Ins-Health | 4,248 | 4,673 | 5,140 | 5,654 |
| 16 | 3310W | 523150 | Life Insurance | 885 | Ins-Health | 974 | 1,071 | 1,178 | 1,296 |
| 17 | 3310W | 523200 | Long-term Disability Insurance | 783 | Ins-Health | 861 | 947 | 1,042 | 1,146 |
| 18 | 3310W | 524000 | Workers' Compensation | 2,418 | Worker Comp | 2,539 | 2,666 | 2,799 | 2,939 |
| 19 | | | Total Personnel Costs | \$1,230,925 | | \$1,277,722 | \$1,326,915 | \$1,378,668 | \$1,433,168 |
| | | | <u>Operating Services</u> | | | | | | |
| 20 | 3310W | 531010 | Professional Services | \$35,000 | ProfSvc | \$36,050 | \$37,132 | \$38,245 | \$39,393 |
| 21 | 3310W | 531010 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 22 | 3310W | 534010 | Outside Services | 15,000 | ProfSvc | 15,450 | 15,914 | 16,391 | 16,883 |
| 23 | 3310W | 534010 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 24 | 3310W | 534040 | Special Events | 0 | Inflation | 0 | 0 | 0 | 0 |
| 25 | 3310W | 541010 | Phone and Communications | 5,208 | Inflation | 5,328 | 5,456 | 5,587 | 5,721 |
| 26 | 3310W | 544010 | Uniforms | 0 | Inflation | 0 | 0 | 0 | 0 |
| 27 | 3310W | 546090 | Office Equipment | 2,000 | Inflation | 2,046 | 2,095 | 2,145 | 2,197 |
| 28 | 3310W | 551000 | Office Supplies | 4,000 | Inflation | 4,092 | 4,190 | 4,291 | 4,394 |
| 29 | 3310W | 552050 | Medical Supplies | 300 | Inflation | 307 | 314 | 322 | 330 |
| 30 | 3310W | 552150 | Motor Vehicle Fuel | 2,800 | Fuel | 2,940 | 3,087 | 3,241 | 3,403 |
| 31 | 3310W | 552170 | Computer Equipment and Supplies | 1,200 | Inflation | 1,228 | 1,257 | 1,287 | 1,318 |
| 32 | 3310W | 552200 | Uniforms / Protective Clothing | 1,460 | Inflation | 1,494 | 1,529 | 1,566 | 1,604 |
| 33 | 3310W | 552300 | Drafting Supplies | 1,500 | Inflation | 1,535 | 1,571 | 1,609 | 1,648 |
| 34 | 3310W | 554010 | Books and Publications | 0 | Inflation | 0 | 0 | 0 | 0 |
| 35 | 3310W | 554030 | Dues and Memberships | 2,159 | Inflation | 2,209 | 2,262 | 2,316 | 2,372 |
| 36 | 3310W | 555020 | Meetings and Seminars | 13,200 | Inflation | 13,504 | 13,828 | 14,160 | 14,499 |
| 37 | 3310W | 555040 | General Employee Training | 2,490 | Inflation | 2,547 | 2,608 | 2,671 | 2,735 |
| 38 | 3310W | 555060 | License and Certification | 450 | Inflation | 460 | 471 | 483 | 494 |
| 39 | 3310W | 564010 | Automobiles | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 40 | | | Total Operating Services | \$86,767 | | \$89,188 | \$91,714 | \$94,314 | \$96,989 |
| 41 | | | Total Water Administration | \$1,317,692 | | \$1,366,911 | \$1,418,629 | \$1,472,982 | \$1,530,157 |
| | 3320W | | Water Production | | | | | | |
| | | | <u>Personnel Costs</u> | | | | | | |
| 42 | 3320W | 512000 | Regular Salaries and Wages | \$810,490 | Personnel | \$834,805 | \$859,849 | \$885,644 | \$912,214 |
| 43 | 3320W | 513050 | Relief Employees | 30,000 | Personnel | 30,900 | 31,827 | 32,782 | 33,765 |
| 44 | 3320W | 514000 | Overtime Pay | 45,000 | Personnel | 46,350 | 47,741 | 49,173 | 50,648 |
| 45 | 3320W | 515150 | Auto and Travel Allowances | 0 | Inflation | 0 | 0 | 0 | 0 |
| 46 | 3320W | 515250 | Payouts - Civil Service | 0 | Personnel | 0 | 0 | 0 | 0 |
| 47 | 3320W | 515300 | Payouts - Sick Leave | 0 | Personnel | 0 | 0 | 0 | 0 |
| 48 | 3320W | 515350 | Payouts - Vacation Pay | 0 | Personnel | 0 | 0 | 0 | 0 |
| 49 | 3320W | 521050 | Social Security | 48,547 | Personnel | 50,003 | 51,504 | 53,049 | 54,640 |
| 50 | 3320W | 521100 | Medicare | 11,358 | Personnel | 11,699 | 12,050 | 12,411 | 12,784 |
| 51 | 3320W | 522150 | Pensions - General Employees | 115,191 | Personnel | 118,647 | 122,206 | 125,872 | 129,648 |
| 52 | 3320W | 522200 | Pensions - ICMA 401a | 32,959 | Personnel | 33,948 | 34,966 | 36,015 | 37,096 |
| 53 | 3320W | 522250 | Pensions - OPEB | 0 | Personnel | 0 | 0 | 0 | 0 |
| 54 | 3320W | 522300 | 401a Match Program | 18,271 | Personnel | 18,819 | 19,384 | 19,965 | 20,564 |
| 55 | 3320W | 522350 | Pensions - Retirement Health | 11,808 | Personnel | 12,162 | 12,527 | 12,903 | 13,290 |
| 56 | 3320W | 523050 | Health Insurance | 122,947 | Ins-Health | 135,242 | 148,766 | 163,642 | 180,007 |
| 57 | 3320W | 523100 | Dental Insurance | 558 | Ins-Health | 614 | 675 | 743 | 817 |
| 58 | 3320W | 523150 | Life Insurance | 1,069 | Ins-Health | 1,176 | 1,293 | 1,423 | 1,565 |
| 59 | 3320W | 523200 | Long-term Disability Insurance | 946 | Ins-Health | 1,041 | 1,145 | 1,259 | 1,385 |
| 60 | 3320W | 524000 | Workers' Compensation | 4,109 | Worker Comp | 4,314 | 4,530 | 4,757 | 4,995 |
| 61 | | | Total Personnel Costs | \$1,253,253 | | \$1,299,719 | \$1,348,462 | \$1,399,638 | \$1,453,417 |
| | | | <u>Operating Services</u> | | | | | | |
| 62 | 3320W | 531010 | Professional Services | \$130,000 | ProfSvc | \$133,900 | \$137,917 | \$142,055 | \$146,316 |

Table 1-9
City of Hallandale Beach, Florida
Utility Rate Study

Projected Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Adjusted [1] 2018 | Escalation Reference [2] | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|--------------|--------------------------------------|----------------------|-----------------------------|--|--------------------|--------------------|--------------------|
| | | | | | | 2019 | 2020 | 2021 | 2022 |
| 63 | 3320W | 531010 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 64 | 3320W | 531010 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 65 | 3320W | 534010 | Outside Services | 64,000 | Repair | 65,920 | 67,898 | 69,935 | 72,033 |
| 66 | 3320W | 534010 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 67 | 3320W | 534010 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 68 | 3320W | 534040 | Special Events | 0 | Inflation | 0 | 0 | 0 | 0 |
| 69 | 3320W | 541010 | Phone and Communications | 420 | Inflation | 430 | 440 | 451 | 461 |
| 70 | 3320W | 543010 | Electricity | 275,000 | Utility-W | 292,512 | 311,177 | 330,583 | 352,629 |
| 71 | 3320W | 544010 | Uniforms | 3,454 | Inflation | 3,533 | 3,618 | 3,705 | 3,794 |
| 72 | 3320W | 544030 | Equipment Rental | 600 | Inflation | 614 | 629 | 644 | 659 |
| 73 | 3320W | 546070 | Equipment Maintenance Agreements | 146,500 | Repair | 150,895 | 155,422 | 160,085 | 164,887 |
| 74 | 3320W | 546090 | Office Equipment | 0 | Inflation | 0 | 0 | 0 | 0 |
| 75 | 3320W | 551000 | Office Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 76 | 3320W | 552010 | Specialized Supplies | 9,600 | Inflation | 9,821 | 10,056 | 10,298 | 10,545 |
| 77 | 3320W | 552030 | Equipment and Tools | 4,100 | Repair | 4,223 | 4,350 | 4,480 | 4,615 |
| 78 | 3320W | 552050 | Medical Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 79 | 3320W | 552060 | Chemicals | 471,000 | Chem-W | 500,993 | 532,961 | 566,198 | 603,958 |
| 80 | 3320W | 552070 | Small Furniture and Fixtures | 0 | Inflation | 0 | 0 | 0 | 0 |
| 81 | 3320W | 552140 | Diesel Fuel | 6,000 | Fuel | 6,300 | 6,615 | 6,946 | 7,293 |
| 82 | 3320W | 552150 | Motor Vehicle Fuel | 800 | Fuel | 840 | 882 | 926 | 972 |
| 83 | 3320W | 552160 | Grease, Oil, and Lubricants | 100 | Inflation | 102 | 105 | 107 | 110 |
| 84 | 3320W | 552170 | Computer Equipment and Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 85 | 3320W | 552200 | Uniforms / Protective Clothing | 3,160 | Inflation | 3,233 | 3,310 | 3,390 | 3,471 |
| 86 | 3320W | 552250 | Machinery Parts | 136,200 | Repair | 140,286 | 144,495 | 148,829 | 153,294 |
| 87 | 3320W | 552280 | Purchased Water | 374,050 | Bulk Water | 397,869 | 423,257 | 449,653 | 479,640 |
| 88 | 3320W | 552300 | Drafting Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 89 | 3320W | 554010 | Books and Publications | 0 | Inflation | 0 | 0 | 0 | 0 |
| 90 | 3320W | 554030 | Dues and Memberships | 840 | Inflation | 859 | 880 | 901 | 923 |
| 91 | 3320W | 555020 | Meetings and Seminars | 0 | Inflation | 0 | 0 | 0 | 0 |
| 92 | 3320W | 555040 | General Employee Training | 3,600 | Inflation | 3,683 | 3,771 | 3,862 | 3,954 |
| 93 | 3320W | 555060 | License and Certification | 11,369 | Inflation | 11,630 | 11,910 | 12,195 | 12,488 |
| 94 | 3320W | 555060 | License and Certification | 0 | Inflation | 0 | 0 | 0 | 0 |
| 95 | 3320W | 564040 | Machinery and Equipment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 96 | 3320W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 97 | 3320W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 98 | | | Total Operating Services | \$1,640,793 | | \$1,727,643 | \$1,819,691 | \$1,915,241 | \$2,022,042 |
| 99 | | | Total Water Production | \$2,894,046 | | \$3,027,363 | \$3,168,153 | \$3,314,879 | \$3,475,460 |
| | 3330W | | Transmission and Distribution | | | | | | |
| | | | <u>Personnel Costs</u> | | | | | | |
| 100 | 3330W | 512000 | Regular Salaries and Wages | \$692,354 | Personnel | \$713,125 | \$734,518 | \$756,554 | \$779,251 |
| 101 | 3330W | 513000 | Other Salaries and Wages | 33,280 | Personnel | 34,278 | 35,307 | 36,366 | 37,457 |
| 102 | 3330W | 514000 | Overtime Pay | 42,000 | Personnel | 43,260 | 44,558 | 45,895 | 47,271 |
| 103 | 3330W | 515150 | Auto and Travel Allowances | 0 | Inflation | 0 | 0 | 0 | 0 |
| 104 | 3330W | 515250 | Payouts - Civil Service | 0 | Personnel | 0 | 0 | 0 | 0 |
| 105 | 3330W | 515300 | Payouts - Sick Leave | 0 | Personnel | 0 | 0 | 0 | 0 |
| 106 | 3330W | 515350 | Payouts - Vacation Pay | 0 | Personnel | 0 | 0 | 0 | 0 |
| 107 | 3330W | 521050 | Social Security | 42,683 | Personnel | 43,963 | 45,282 | 46,641 | 48,040 |
| 108 | 3330W | 521100 | Medicare | 9,987 | Personnel | 10,287 | 10,595 | 10,913 | 11,240 |
| 109 | 3330W | 522150 | Pensions - General Employees | 115,556 | Personnel | 119,023 | 122,593 | 126,271 | 130,059 |
| 110 | 3330W | 522200 | Pensions - ICMA 401a | 19,478 | Personnel | 20,062 | 20,664 | 21,284 | 21,923 |
| 111 | 3330W | 522250 | Pensions - OPEB | 0 | Personnel | 0 | 0 | 0 | 0 |
| 112 | 3330W | 522300 | 401a Match Program | 17,746 | Personnel | 18,278 | 18,827 | 19,392 | 19,973 |
| 113 | 3330W | 522350 | Pensions - Retirement Health | 11,520 | Personnel | 11,866 | 12,222 | 12,588 | 12,966 |
| 114 | 3330W | 523050 | Health Insurance | 142,433 | Ins-Health | 156,676 | 172,344 | 189,578 | 208,536 |
| 115 | 3330W | 523100 | Dental Insurance | 1,482 | Ins-Health | 1,630 | 1,793 | 1,973 | 2,170 |
| 116 | 3330W | 523150 | Life Insurance | 1,044 | Ins-Health | 1,148 | 1,263 | 1,390 | 1,529 |
| 117 | 3330W | 523200 | Long-term Disability Insurance | 924 | Ins-Health | 1,016 | 1,118 | 1,230 | 1,353 |
| 118 | 3330W | 524000 | Workers' Compensation | 5,182 | Worker Comp | 5,441 | 5,713 | 5,999 | 6,299 |
| 119 | | | Total Personnel Costs | \$1,135,669 | | \$1,180,055 | \$1,226,798 | \$1,276,072 | \$1,328,067 |
| | | | <u>Operating Services</u> | | | | | | |
| 120 | 3330W | 531010 | Professional Services | \$0 | ProfSvc | \$0 | \$0 | \$0 | \$0 |
| 121 | 3330W | 531010 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 122 | 3330W | 531010 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 123 | 3330W | 534010 | Outside Services | 22,400 | ProfSvc | 23,072 | 23,764 | 24,477 | 25,211 |
| 124 | 3330W | 534010 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 125 | 3330W | 534010 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 126 | 3330W | 534040 | Special Events | 0 | Inflation | 0 | 0 | 0 | 0 |
| 127 | 3330W | 541010 | Phone and Communications | 1,680 | Inflation | 1,719 | 1,760 | 1,802 | 1,845 |
| 128 | 3330W | 543010 | Electricity | 0 | Utility | 0 | 0 | 0 | 0 |
| 129 | 3330W | 544010 | Uniforms | 3,966 | Inflation | 4,057 | 4,155 | 4,254 | 4,356 |

Table 1-9
City of Hallandale Beach, Florida
Utility Rate Study

Projected Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Adjusted [1] | Escalation | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|--------------|--|--------------------|---------------|--|--------------------|--------------------|--------------------|
| | | | | 2018 | Reference [2] | 2019 | 2020 | 2021 | 2022 |
| 130 | 3330W | 544030 | Equipment Rental | 500 | Inflation | 512 | 524 | 536 | 549 |
| 131 | 3330W | 546070 | Equipment Maintenance Agreements | 4,000 | Repair | 4,120 | 4,244 | 4,371 | 4,502 |
| 132 | 3330W | 546090 | Office Equipment | 0 | Inflation | 0 | 0 | 0 | 0 |
| 133 | 3330W | 547000 | Printing and Binding | 150 | Inflation | 153 | 157 | 161 | 165 |
| 134 | 3330W | 551000 | Office Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 135 | 3330W | 552010 | Specialized Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 136 | 3330W | 552020 | Meter Boxes | 9,000 | Repair | 9,270 | 9,548 | 9,835 | 10,130 |
| 137 | 3330W | 552030 | Equipment and Tools | 6,000 | Repair | 6,180 | 6,365 | 6,556 | 6,753 |
| 138 | 3330W | 552050 | Medical Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 139 | 3330W | 552060 | Chemicals | 0 | Chemical | 0 | 0 | 0 | 0 |
| 140 | 3330W | 552070 | Small Furniture and Fixtures | 0 | Inflation | 0 | 0 | 0 | 0 |
| 141 | 3330W | 552080 | Traffic Control / Signs | 3,000 | Inflation | 3,069 | 3,143 | 3,218 | 3,295 |
| 142 | 3330W | 552140 | Diesel Fuel | 7,020 | Fuel | 7,371 | 7,740 | 8,127 | 8,533 |
| 143 | 3330W | 552150 | Motor Vehicle Fuel | 11,136 | Fuel | 11,693 | 12,277 | 12,891 | 13,536 |
| 144 | 3330W | 552160 | Grease, Oil, and Lubricants | 0 | Inflation | 0 | 0 | 0 | 0 |
| 145 | 3330W | 552170 | Computer Equipment and Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 146 | 3330W | 552180 | Water Main Repair Parts | 88,000 | Repair | 90,640 | 93,359 | 96,160 | 99,045 |
| 147 | 3330W | 552200 | Uniforms / Protective Clothing | 3,400 | Inflation | 3,478 | 3,562 | 3,647 | 3,735 |
| 148 | 3330W | 552210 | Building Materials / Supplies | 4,000 | Inflation | 4,092 | 4,190 | 4,291 | 4,394 |
| 149 | 3330W | 552250 | Machinery Parts | 1,500 | Repair | 1,545 | 1,591 | 1,639 | 1,688 |
| 150 | 3330W | 552280 | Purchased Water | 0 | Inflation | 0 | 0 | 0 | 0 |
| 151 | 3330W | 552290 | Cement | 5,000 | Inflation | 5,115 | 5,238 | 5,363 | 5,492 |
| 152 | 3330W | 553010 | Rock and Fill | 10,000 | Inflation | 10,230 | 10,476 | 10,727 | 10,984 |
| 153 | 3330W | 553010 | Rock and Fill | 0 | Inflation | 0 | 0 | 0 | 0 |
| 154 | 3330W | 553020 | Asphalt Paving Road Materials | 15,000 | Inflation | 15,345 | 15,713 | 16,090 | 16,477 |
| 155 | 3330W | 552300 | Drafting Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 156 | 3330W | 554010 | Books and Publications | 0 | Inflation | 0 | 0 | 0 | 0 |
| 157 | 3330W | 554030 | Dues and Memberships | 0 | Inflation | 0 | 0 | 0 | 0 |
| 158 | 3330W | 555020 | Meetings and Seminars | 0 | Inflation | 0 | 0 | 0 | 0 |
| 159 | 3330W | 555040 | General Employee Training | 5,350 | Inflation | 5,473 | 5,604 | 5,739 | 5,877 |
| 160 | 3330W | 555060 | License and Certification | 600 | Inflation | 614 | 629 | 644 | 659 |
| 161 | 3330W | 555060 | License and Certification | 0 | Inflation | 0 | 0 | 0 | 0 |
| 162 | 3330W | 564060 | Communications Equipment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 163 | 3330W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 164 | | | Total Operating Services | \$201,702 | | \$207,748 | \$214,038 | \$220,529 | \$227,226 |
| 165 | | | Total Transmission and Distribution | \$1,337,371 | | \$1,387,802 | \$1,440,836 | \$1,496,601 | \$1,555,293 |
| | 3340W | | Utility Billing Division | | | | | | |
| | | | <u>Personnel Costs</u> | | | | | | |
| 166 | 3340W | 512000 | Regular Salaries and Wages | \$421,813 | Personnel | \$434,467 | \$447,501 | \$460,926 | \$474,754 |
| 167 | 3340W | 513000 | Other Salaries and Wages | 31,980 | Personnel | 32,939 | 33,928 | 34,945 | 35,994 |
| 168 | 3340W | 514000 | Overtime Pay | 10,000 | Personnel | 10,300 | 10,609 | 10,927 | 11,255 |
| 169 | 3340W | 515150 | Auto and Travel Allowances | 0 | Inflation | 0 | 0 | 0 | 0 |
| 170 | 3340W | 515250 | Payouts - Civil Service | 0 | Personnel | 0 | 0 | 0 | 0 |
| 171 | 3340W | 515300 | Payouts - Sick Leave | 0 | Personnel | 0 | 0 | 0 | 0 |
| 172 | 3340W | 515350 | Payouts - Vacation Pay | 0 | Personnel | 0 | 0 | 0 | 0 |
| 173 | 3340W | 521050 | Social Security | 27,443 | Personnel | 28,266 | 29,114 | 29,988 | 30,887 |
| 174 | 3340W | 521100 | Medicare | 6,421 | Personnel | 6,614 | 6,812 | 7,016 | 7,227 |
| 175 | 3340W | 522150 | Pensions - General Employees | 22,830 | Personnel | 23,515 | 24,220 | 24,947 | 25,695 |
| 176 | 3340W | 522200 | Pensions - ICMA 401a | 30,425 | Personnel | 31,338 | 32,278 | 33,246 | 34,244 |
| 177 | 3340W | 522250 | Pensions - OPEB | 0 | Personnel | 0 | 0 | 0 | 0 |
| 178 | 3340W | 522300 | 401a Match Program | 10,620 | Personnel | 10,939 | 11,267 | 11,605 | 11,953 |
| 179 | 3340W | 522350 | Pensions - Retirement Health | 6,720 | Personnel | 6,922 | 7,129 | 7,343 | 7,563 |
| 180 | 3340W | 523050 | Health Insurance | 64,795 | Ins-Health | 71,275 | 78,402 | 86,242 | 94,866 |
| 181 | 3340W | 523100 | Dental Insurance | 1,982 | Ins-Health | 2,180 | 2,398 | 2,638 | 2,902 |
| 182 | 3340W | 523150 | Life Insurance | 609 | Ins-Health | 670 | 737 | 811 | 892 |
| 183 | 3340W | 523200 | Long-term Disability Insurance | 539 | Ins-Health | 593 | 652 | 717 | 789 |
| 184 | 3340W | 524000 | Workers' Compensation | 684 | Worker Comp | 718 | 754 | 792 | 831 |
| 185 | | | Total Personnel Costs | \$636,861 | | \$660,735 | \$685,802 | \$712,144 | \$739,853 |
| | | | <u>Operating Services</u> | | | | | | |
| 186 | 3340W | 531010 | Professional Services | \$0 | ProfSvc | \$0 | \$0 | \$0 | \$0 |
| 187 | 3340W | 531050 | Filing and Lien Recording Fees | 3,000 | Inflation | 3,069 | 3,143 | 3,218 | 3,295 |
| 188 | 3340W | 534010 | Outside Services | 31,700 | ProfSvc | 32,651 | 33,631 | 34,639 | 35,679 |
| 189 | 3340W | 534010 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 190 | 3340W | 534010 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 191 | 3340W | 534040 | Special Events | 0 | Inflation | 0 | 0 | 0 | 0 |
| 192 | 3340W | 539055 | Credit Card Fees | 98,000 | Inflation | 100,254 | 102,660 | 105,124 | 107,647 |
| 193 | 3340W | 541010 | Phone and Communications | 0 | Inflation | 0 | 0 | 0 | 0 |
| 194 | 3340W | 542000 | Postage and Freight | 61,000 | Inflation | 62,403 | 63,901 | 65,434 | 67,005 |
| 195 | 3340W | 543010 | Electricity | 0 | Utility | 0 | 0 | 0 | 0 |
| 196 | 3340W | 544010 | Uniforms | 0 | Inflation | 0 | 0 | 0 | 0 |

Table 1-9
City of Hallandale Beach, Florida
Utility Rate Study

Projected Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Adjusted [1] | Escalation | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|--------------|---------------------------------------|------------------|---------------|--|------------------|------------------|------------------|
| | | | | 2018 | Reference [2] | 2019 | 2020 | 2021 | 2022 |
| 197 | 3340W | 544030 | Equipment Rental | 0 | Inflation | 0 | 0 | 0 | 0 |
| 198 | 3340W | 546050 | Computer Hardware Maintenance | 0 | Inflation | 0 | 0 | 0 | 0 |
| 199 | 3340W | 546060 | Computer Software Maintenance | 0 | Inflation | 0 | 0 | 0 | 0 |
| 200 | 3340W | 546070 | Equipment Maintenance Agreements | 0 | Repair | 0 | 0 | 0 | 0 |
| 201 | 3340W | 546090 | Office Equipment | 750 | Inflation | 767 | 786 | 805 | 824 |
| 202 | 3340W | 547000 | Printing and Binding | 500 | Inflation | 512 | 524 | 536 | 549 |
| 203 | 3340W | 551000 | Office Supplies | 4,000 | Inflation | 4,092 | 4,190 | 4,291 | 4,394 |
| 204 | 3340W | 552010 | Specialized Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 205 | 3340W | 552020 | Meter Boxes | 0 | Repair | 0 | 0 | 0 | 0 |
| 206 | 3340W | 552030 | Equipment and Tools | 0 | Inflation | 0 | 0 | 0 | 0 |
| 207 | 3340W | 552050 | Medical Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 208 | 3340W | 552060 | Chemicals | 0 | Chemical | 0 | 0 | 0 | 0 |
| 209 | 3340W | 552070 | Small Furniture and Fixtures | 1,000 | Inflation | 1,023 | 1,048 | 1,073 | 1,098 |
| 210 | 3340W | 552070 | Small Furniture and Fixtures | 0 | Inflation | 0 | 0 | 0 | 0 |
| 211 | 3340W | 552080 | Traffic Control / Signs | 0 | Inflation | 0 | 0 | 0 | 0 |
| 212 | 3340W | 552140 | Diesel Fuel | 0 | Fuel | 0 | 0 | 0 | 0 |
| 213 | 3340W | 552150 | Motor Vehicle Fuel | 0 | Fuel | 0 | 0 | 0 | 0 |
| 214 | 3340W | 552160 | Grease, Oil, and Lubricants | 0 | Inflation | 0 | 0 | 0 | 0 |
| 215 | 3340W | 552170 | Computer Equipment and Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 216 | 3340W | 552180 | Water Main Repair Parts | 0 | Repair | 0 | 0 | 0 | 0 |
| 217 | 3340W | 552200 | Uniforms / Protective Clothing | 1,000 | Inflation | 1,023 | 1,048 | 1,073 | 1,098 |
| 218 | 3340W | 552210 | Building Materials / Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 219 | 3340W | 552250 | Machinery Parts | 0 | Repair | 0 | 0 | 0 | 0 |
| 220 | 3340W | 552280 | Purchased Water | 0 | Inflation | 0 | 0 | 0 | 0 |
| 221 | 3340W | 552290 | Cement | 0 | Inflation | 0 | 0 | 0 | 0 |
| 222 | 3340W | 553010 | Rock and Fill | 0 | Inflation | 0 | 0 | 0 | 0 |
| 223 | 3340W | 553020 | Asphalt Paving Road Materials | 0 | Inflation | 0 | 0 | 0 | 0 |
| 224 | 3340W | 552300 | Drafting Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 225 | 3340W | 554010 | Books and Publications | 0 | Inflation | 0 | 0 | 0 | 0 |
| 226 | 3340W | 554030 | Dues and Memberships | 1,440 | Inflation | 1,473 | 1,508 | 1,545 | 1,582 |
| 227 | 3340W | 555020 | Meetings and Seminars | 12,400 | Inflation | 12,685 | 12,990 | 13,301 | 13,621 |
| 228 | 3340W | 555040 | General Employee Training | 0 | Inflation | 0 | 0 | 0 | 0 |
| 229 | 3340W | 555060 | License and Certification | 210 | Inflation | 215 | 220 | 225 | 231 |
| 230 | 3340W | 564040 | Machinery and Equipment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 231 | 3340W | 564040 | Machinery and Equipment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 232 | | | Total Operating Services | \$215,000 | | \$220,167 | \$225,647 | \$231,264 | \$237,022 |
| 233 | | | Total Utility Billing Division | \$851,861 | | \$880,902 | \$911,449 | \$943,408 | \$976,875 |
| | 3370W | | Plant Maintenance | | | | | | |
| | | | <u>Personnel Costs</u> | | | | | | |
| 234 | 3370W | 512000 | Regular Salaries and Wages | \$145,029 | Personnel | \$149,380 | \$153,861 | \$158,477 | \$163,231 |
| 235 | 3370W | 513000 | Other Salaries and Wages | 0 | Personnel | 0 | 0 | 0 | 0 |
| 236 | 3370W | 514000 | Overtime Pay | 6,000 | Personnel | 6,180 | 6,365 | 6,556 | 6,753 |
| 237 | 3370W | 515150 | Auto and Travel Allowances | 0 | Inflation | 0 | 0 | 0 | 0 |
| 238 | 3370W | 515250 | Payouts - Civil Service | 0 | Personnel | 0 | 0 | 0 | 0 |
| 239 | 3370W | 515300 | Payouts - Sick Leave | 0 | Personnel | 0 | 0 | 0 | 0 |
| 240 | 3370W | 515350 | Payouts - Vacation Pay | 0 | Personnel | 0 | 0 | 0 | 0 |
| 241 | 3370W | 515400 | Tool Allowance | 0 | Inflation | 0 | 0 | 0 | 0 |
| 242 | 3370W | 521050 | Social Security | 8,359 | Personnel | 8,610 | 8,868 | 9,134 | 9,408 |
| 243 | 3370W | 521100 | Medicare | 1,957 | Personnel | 2,016 | 2,076 | 2,138 | 2,203 |
| 244 | 3370W | 522150 | Pensions - General Employees | 22,826 | Personnel | 23,511 | 24,216 | 24,943 | 25,691 |
| 245 | 3370W | 522200 | Pensions - ICMA 401a | 6,593 | Personnel | 6,791 | 6,995 | 7,204 | 7,420 |
| 246 | 3370W | 522250 | Pensions - OPEB | 0 | Personnel | 0 | 0 | 0 | 0 |
| 247 | 3370W | 522300 | 401a Match Program | 2,638 | Personnel | 2,717 | 2,799 | 2,883 | 2,969 |
| 248 | 3370W | 522350 | Pensions - Retirement Health | 2,880 | Personnel | 2,966 | 3,055 | 3,147 | 3,241 |
| 249 | 3370W | 523050 | Health Insurance | 44,510 | Ins-Health | 48,961 | 53,857 | 59,243 | 65,167 |
| 250 | 3370W | 523100 | Dental Insurance | 180 | Ins-Health | 198 | 218 | 240 | 264 |
| 251 | 3370W | 523150 | Life Insurance | 261 | Ins-Health | 287 | 316 | 347 | 382 |
| 252 | 3370W | 523200 | Long-term Disability Insurance | 231 | Ins-Health | 254 | 280 | 307 | 338 |
| 253 | 3370W | 524000 | Workers' Compensation | 1,217 | Worker Comp | 1,278 | 1,342 | 1,409 | 1,479 |
| 254 | | | Total Personnel Costs | \$242,681 | | \$253,149 | \$264,248 | \$276,029 | \$288,547 |
| | | | <u>Operating Services</u> | | | | | | |
| 255 | 3370W | 531010 | Professional Services | \$0 | ProfSvc | \$0 | \$0 | \$0 | \$0 |
| 256 | 3370W | 531050 | Filing and Lien Recording Fees | 0 | Inflation | 0 | 0 | 0 | 0 |
| 257 | 3370W | 534010 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 258 | 3370W | 534040 | Special Events | 0 | Inflation | 0 | 0 | 0 | 0 |
| 259 | 3370W | 539055 | Credit Card Fees | 0 | Inflation | 0 | 0 | 0 | 0 |
| 260 | 3370W | 541010 | Phone and Communications | 0 | Inflation | 0 | 0 | 0 | 0 |
| 261 | 3370W | 542000 | Postage and Freight | 0 | Inflation | 0 | 0 | 0 | 0 |
| 262 | 3370W | 543010 | Electricity | 0 | Utility | 0 | 0 | 0 | 0 |
| 263 | 3370W | 544010 | Uniforms | 732 | Inflation | 749 | 767 | 785 | 804 |

Table 1-9
City of Hallandale Beach, Florida
Utility Rate Study

Projected Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Adjusted [1] | Escalation | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|--------------|-----------------------------------|------------------|---------------|--|------------------|------------------|------------------|
| | | | | 2018 | Reference [2] | 2019 | 2020 | 2021 | 2022 |
| 264 | 3370W | 544030 | Equipment Rental | 0 | Inflation | 0 | 0 | 0 | 0 |
| 265 | 3370W | 546050 | Computer Hardware Maintenance | 0 | Inflation | 0 | 0 | 0 | 0 |
| 266 | 3370W | 546060 | Computer Software Maintenance | 0 | Inflation | 0 | 0 | 0 | 0 |
| 267 | 3370W | 546070 | Equipment Maintenance Agreements | 0 | Repair | 0 | 0 | 0 | 0 |
| 268 | 3370W | 546090 | Office Equipment | 0 | Inflation | 0 | 0 | 0 | 0 |
| 269 | 3370W | 547000 | Printing and Binding | 0 | Inflation | 0 | 0 | 0 | 0 |
| 270 | 3370W | 551000 | Office Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 271 | 3370W | 552010 | Specialized Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 272 | 3370W | 552020 | Meter Boxes | 0 | Repair | 0 | 0 | 0 | 0 |
| 273 | 3370W | 552030 | Equipment and Tools | 600 | Repair | 618 | 637 | 656 | 675 |
| 274 | 3370W | 552050 | Medical Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 275 | 3370W | 552060 | Chemicals | 0 | Chemical | 0 | 0 | 0 | 0 |
| 276 | 3370W | 552070 | Small Furniture and Fixtures | 0 | Inflation | 0 | 0 | 0 | 0 |
| 277 | 3370W | 552080 | Traffic Control / Signs | 0 | Inflation | 0 | 0 | 0 | 0 |
| 278 | 3370W | 552140 | Diesel Fuel | 0 | Fuel | 0 | 0 | 0 | 0 |
| 279 | 3370W | 552150 | Motor Vehicle Fuel | 720 | Fuel | 756 | 794 | 833 | 875 |
| 280 | 3370W | 552160 | Grease, Oil, and Lubricants | 600 | Inflation | 614 | 629 | 644 | 659 |
| 281 | 3370W | 552170 | Computer Equipment and Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 282 | 3370W | 552180 | Water Main Repair Parts | 0 | Repair | 0 | 0 | 0 | 0 |
| 283 | 3370W | 552200 | Uniforms / Protective Clothing | 930 | Inflation | 951 | 974 | 998 | 1,022 |
| 284 | 3370W | 552210 | Building Materials / Supplies | 9,000 | Inflation | 9,207 | 9,428 | 9,654 | 9,886 |
| 285 | 3370W | 552250 | Machinery Parts | 1,500 | Repair | 1,545 | 1,591 | 1,639 | 1,688 |
| 286 | 3370W | 552280 | Purchased Water | 0 | Inflation | 0 | 0 | 0 | 0 |
| 287 | 3370W | 552290 | Cement | 0 | Inflation | 0 | 0 | 0 | 0 |
| 288 | 3370W | 553010 | Rock and Fill | 0 | Inflation | 0 | 0 | 0 | 0 |
| 289 | 3370W | 553020 | Asphalt Paving Road Materials | 0 | Inflation | 0 | 0 | 0 | 0 |
| 290 | 3370W | 552300 | Drafting Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 291 | 3370W | 554010 | Books and Publications | 0 | Inflation | 0 | 0 | 0 | 0 |
| 292 | 3370W | 554030 | Dues and Memberships | 0 | Inflation | 0 | 0 | 0 | 0 |
| 293 | 3370W | 555020 | Meetings and Seminars | 0 | Inflation | 0 | 0 | 0 | 0 |
| 294 | 3370W | 555040 | General Employee Training | 3,000 | Inflation | 3,069 | 3,143 | 3,218 | 3,295 |
| 295 | 3370W | 555060 | License and Certification | 0 | Inflation | 0 | 0 | 0 | 0 |
| 296 | 3370W | 564040 | Machinery and Equipment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 297 | | | Total Operating Services | \$17,082 | | \$17,509 | \$17,962 | \$18,427 | \$18,905 |
| 298 | | | Total Plant Maintenance | \$259,763 | | \$270,658 | \$282,209 | \$294,456 | \$307,452 |
| | 3380W | | Debt Service | | | | | | |
| 299 | 3380W | 544020 | Copiers / Office Equipment Leases | \$8,304 | Inflation | \$8,495 | \$8,699 | \$8,908 | \$9,121 |
| 300 | 3380W | 571220 | Principal - 2012 Chase Note | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 301 | 3380W | 571225 | Principal - Bond Series 2014 | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 302 | 3380W | 572220 | Interest - 2012 Chase Note | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 303 | 3380W | 572225 | Interest - Bond Series 2014 | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 304 | | | Total Debt Service | \$8,304 | | \$8,495 | \$8,699 | \$8,908 | \$9,121 |
| | 3390W | | Non-Departmental | | | | | | |
| | | | <u>Personnel Costs</u> | | | | | | |
| 305 | 3390W | 512000 | Regular Salaries and Wages | \$0 | Personnel | \$0 | \$0 | \$0 | \$0 |
| 306 | 3390W | 513000 | Other Salaries and Wages | 0 | Personnel | 0 | 0 | 0 | 0 |
| 307 | 3390W | 514000 | Overtime Pay | 0 | Personnel | 0 | 0 | 0 | 0 |
| 308 | 3390W | 515150 | Auto and Travel Allowances | 0 | Inflation | 0 | 0 | 0 | 0 |
| 309 | 3390W | 515200 | Sick Leave Buyback | 30,000 | Personnel | 30,900 | 31,827 | 32,782 | 33,765 |
| 310 | 3390W | 515250 | Payouts - Civil Service | 10,000 | Personnel | 10,300 | 10,609 | 10,927 | 11,255 |
| 311 | 3390W | 515300 | Payouts - Sick Leave | 20,000 | Personnel | 20,600 | 21,218 | 21,855 | 22,510 |
| 312 | 3390W | 515350 | Payouts - Vacation Pay | 20,000 | Personnel | 20,600 | 21,218 | 21,855 | 22,510 |
| 313 | 3390W | 515400 | Tool Allowance | 0 | Inflation | 0 | 0 | 0 | 0 |
| 314 | 3390W | 515500 | Sick Accrual Expense | 0 | Personnel | 0 | 0 | 0 | 0 |
| 315 | 3390W | 515550 | Vacation Accrual Expense | 0 | Personnel | 0 | 0 | 0 | 0 |
| 316 | 3390W | 521050 | Social Security | 0 | Personnel | 0 | 0 | 0 | 0 |
| 317 | 3390W | 521100 | Medicare | 0 | Personnel | 0 | 0 | 0 | 0 |
| 318 | 3390W | 522050 | Pensions - | 0 | Personnel | 0 | 0 | 0 | 0 |
| 319 | 3390W | 522051 | Professional GASB68 | 0 | Personnel | 0 | 0 | 0 | 0 |
| 320 | 3390W | 522150 | Pensions - General Employees | 0 | Personnel | 0 | 0 | 0 | 0 |
| 321 | 3390W | 522151 | General GASB 68 | 0 | Personnel | 0 | 0 | 0 | 0 |
| 322 | 3390W | 522200 | Pensions - ICMA 401a | 0 | Personnel | 0 | 0 | 0 | 0 |
| 323 | 3390W | 522250 | Pensions - OPEB | 0 | Personnel | 0 | 0 | 0 | 0 |
| 324 | 3390W | 522300 | 401a Match Program | 0 | Personnel | 0 | 0 | 0 | 0 |
| 325 | 3390W | 522350 | Pensions - Retirement Health | 0 | Personnel | 0 | 0 | 0 | 0 |
| 326 | 3390W | 523050 | Health Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 327 | 3390W | 523100 | Dental Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 328 | 3390W | 523150 | Life Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 329 | 3390W | 523200 | Long-term Disability Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 330 | 3390W | 524000 | Workers' Compensation | 0 | Worker Comp | 0 | 0 | 0 | 0 |

Table 1-9
City of Hallandale Beach, Florida
Utility Rate Study

Projected Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Adjusted [1] | Escalation | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|--------------|----------------------------------|--------------|---------------|--|-----------|-----------|-----------|
| | | | | 2018 | Reference [2] | 2019 | 2020 | 2021 | 2022 |
| 331 | 3390W | 525000 | Unemployment Compensation Fee | 10,000 | Personnel | 10,300 | 10,609 | 10,927 | 11,255 |
| 332 | | | Total Personnel Costs | \$90,000 | | \$92,700 | \$95,481 | \$98,345 | \$101,296 |
| | | | Operating Services | | | | | | |
| 333 | 3390W | 531010 | Professional Services | \$135,000 | ProfSvc | \$139,050 | \$143,222 | \$147,518 | \$151,944 |
| 334 | 3390W | 531010 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 335 | 3390W | 531010 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 336 | 3390W | 531010 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 337 | 3390W | 531010 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 338 | 3390W | 531010 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 339 | 3390W | 531010 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 340 | 3390W | 531010 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 341 | 3390W | 531030 | Employee Physicals | 1,750 | Inflation | 1,790 | 1,833 | 1,877 | 1,922 |
| 342 | 3390W | 531040 | Legal Services | 0 | Inflation | 0 | 0 | 0 | 0 |
| 343 | 3390W | 531050 | Filing and Lien Recording Fees | 0 | Inflation | 0 | 0 | 0 | 0 |
| 344 | 3390W | 532000 | Accounting and Auditing | 37,514 | Inflation | 38,377 | 39,298 | 40,241 | 41,207 |
| 345 | 3390W | 534010 | Outside Services | 154,500 | ProfSvc | 159,135 | 163,909 | 168,826 | 173,891 |
| 346 | 3390W | 534010 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 347 | 3390W | 534010 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 348 | 3390W | 534010 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 349 | 3390W | 534010 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 350 | 3390W | 534040 | Special Events | 0 | Inflation | 0 | 0 | 0 | 0 |
| 351 | 3390W | 539055 | Credit Card Fees | 0 | Inflation | 0 | 0 | 0 | 0 |
| 352 | 3390W | 541010 | Phone and Communications | 0 | Inflation | 0 | 0 | 0 | 0 |
| 353 | 3390W | 542000 | Postage and Freight | 12,186 | Inflation | 12,466 | 12,765 | 13,072 | 13,386 |
| 354 | 3390W | 543010 | Electricity | 0 | Utility | 0 | 0 | 0 | 0 |
| 355 | 3390W | 543020 | Water and Sewer | 60,564 | Utility | 63,592 | 66,772 | 70,110 | 73,616 |
| 356 | 3390W | 544010 | Uniforms | 0 | Inflation | 0 | 0 | 0 | 0 |
| 357 | 3390W | 544030 | Equipment Rental | 0 | Inflation | 0 | 0 | 0 | 0 |
| 358 | 3390W | 544070 | Lease - Bus / FEC Railroad | 3,200 | Inflation | 3,274 | 3,352 | 3,433 | 3,515 |
| 359 | 3390W | 545010 | Property Insurance Premium | 160,000 | Ins-Property | 164,800 | 169,744 | 174,836 | 180,081 |
| 360 | 3390W | 546020 | Communication Equipment | 0 | Inflation | 0 | 0 | 0 | 0 |
| 361 | 3390W | 546050 | Computer Hardware Maintenance | 0 | Inflation | 0 | 0 | 0 | 0 |
| 362 | 3390W | 546060 | Computer Software Maintenance | 21,293 | Inflation | 21,783 | 22,306 | 22,841 | 23,389 |
| 363 | 3390W | 546070 | Equipment Maintenance Agreements | 0 | Repair | 0 | 0 | 0 | 0 |
| 364 | 3390W | 546080 | Infrastructure Maintenance | 0 | Repair | 0 | 0 | 0 | 0 |
| 365 | 3390W | 546090 | Office Equipment | 0 | Inflation | 0 | 0 | 0 | 0 |
| 366 | 3390W | 547000 | Printing and Binding | 25,000 | Inflation | 25,575 | 26,189 | 26,817 | 27,461 |
| 367 | 3390W | 548010 | Advertising | 850 | Inflation | 870 | 890 | 912 | 934 |
| 368 | 3390W | 549970 | Contingencies | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 369 | 3390W | 549980 | Grant Match Expenditures | 0 | Inflation | 0 | 0 | 0 | 0 |
| 370 | 3390W | 549990 | Working Reserves | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 371 | 3390W | 551000 | Office Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 372 | 3390W | 552010 | Specialized Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 373 | 3390W | 552020 | Meter Boxes | 0 | Inflation | 0 | 0 | 0 | 0 |
| 374 | 3390W | 552030 | Equipment and Tools | 0 | Repair | 0 | 0 | 0 | 0 |
| 375 | 3390W | 552050 | Medical Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 376 | 3390W | 552060 | Chemicals | 0 | Chemical | 0 | 0 | 0 | 0 |
| 377 | 3390W | 552070 | Small Furniture and Fixtures | 0 | Inflation | 0 | 0 | 0 | 0 |
| 378 | 3390W | 552080 | Traffic Control / Signs | 0 | Inflation | 0 | 0 | 0 | 0 |
| 379 | 3390W | 552090 | Horticultural / Beautification | 20,500 | Inflation | 20,972 | 21,475 | 21,990 | 22,518 |
| 380 | 3390W | 552140 | Diesel Fuel | 0 | Fuel | 0 | 0 | 0 | 0 |
| 381 | 3390W | 552150 | Motor Vehicle Fuel | 0 | Fuel | 0 | 0 | 0 | 0 |
| 382 | 3390W | 552160 | Grease, Oil, and Lubricants | 0 | Inflation | 0 | 0 | 0 | 0 |
| 383 | 3390W | 552170 | Computer Equipment and Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 384 | 3390W | 552180 | Water Main Repair Parts | 0 | Repair | 0 | 0 | 0 | 0 |
| 385 | 3390W | 552200 | Uniforms / Protective Clothing | 0 | Inflation | 0 | 0 | 0 | 0 |
| 386 | 3390W | 552210 | Building Materials / Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 387 | 3390W | 552210 | Building Materials / Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 388 | 3390W | 552230 | CM Project / Program Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 389 | 3390W | 552250 | Machinery Parts | 0 | Repair | 0 | 0 | 0 | 0 |
| 390 | 3390W | 552260 | Water Meter / Hydrant Parts | 0 | Repair | 0 | 0 | 0 | 0 |
| 391 | 3390W | 552270 | Hurricane Preparedness | 0 | Inflation | 0 | 0 | 0 | 0 |
| 392 | 3390W | 552280 | Purchased Water | 0 | Inflation | 0 | 0 | 0 | 0 |
| 393 | 3390W | 552290 | Cement | 0 | Inflation | 0 | 0 | 0 | 0 |
| 394 | 3390W | 552300 | Drafting Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 395 | 3390W | 553010 | Rock and Fill | 0 | Inflation | 0 | 0 | 0 | 0 |
| 396 | 3390W | 553020 | Asphalt Paving Road Materials | 0 | Inflation | 0 | 0 | 0 | 0 |
| 397 | 3390W | 554010 | Books and Publications | 0 | Inflation | 0 | 0 | 0 | 0 |
| 398 | 3390W | 554030 | Dues and Memberships | 0 | Inflation | 0 | 0 | 0 | 0 |
| 399 | 3390W | 554040 | Internet Subscriptions | 44,767 | Inflation | 45,797 | 46,896 | 48,021 | 49,174 |
| 400 | 3390W | 554040 | Internet Subscriptions | 0 | Inflation | 0 | 0 | 0 | 0 |
| 401 | 3390W | 555010 | Computer Training | 0 | Inflation | 0 | 0 | 0 | 0 |
| 402 | 3390W | 555020 | Meetings and Seminars | 0 | Inflation | 0 | 0 | 0 | 0 |

Table 1-9
City of Hallandale Beach, Florida
Utility Rate Study

Projected Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Adjusted [1] 2018 | Escalation Reference [2] | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|--------------|--|----------------------|-----------------------------|--|-----------|-----------|-----------|
| | | | | | | 2019 | 2020 | 2021 | 2022 |
| 403 | 3390W | 555030 | Tuition Reimbursement | 0 | Inflation | 0 | 0 | 0 | 0 |
| 404 | 3390W | 555040 | General Employee Training | 20,000 | Inflation | 20,460 | 20,951 | 21,454 | 21,969 |
| 405 | 3390W | 555060 | License and Certification | 0 | Inflation | 0 | 0 | 0 | 0 |
| 406 | 3390W | 559010 | Depreciation Expense | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 407 | 3390W | 564040 | Machinery and Equipment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 408 | 3390W | 564040 | Machinery and Equipment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 409 | 3390W | 564070 | Computer Equipment and Supplies | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 410 | 3390W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 411 | 3390W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 412 | 3390W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 413 | 3390W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 414 | 3390W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 415 | 3390W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 416 | 3390W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 417 | | | Total Operating Services | \$697,124 | | \$717,940 | \$739,601 | \$761,949 | \$785,006 |
| 418 | | | Total Non-Departmental | \$787,124 | | \$810,640 | \$835,082 | \$860,295 | \$886,302 |
| | 3395W | | Renewal & Replacement | | | | | | |
| | | | <u>Personnel Costs</u> | | | | | | |
| 419 | 3395W | 512000 | Regular Salaries and Wages | \$0 | Personnel | \$0 | \$0 | \$0 | \$0 |
| 420 | 3395W | 513000 | Other Salaries and Wages | 0 | Personnel | 0 | 0 | 0 | 0 |
| 421 | 3395W | 514000 | Overtime Pay | 0 | Personnel | 0 | 0 | 0 | 0 |
| 422 | 3395W | 515150 | Auto and Travel Allowances | 0 | Inflation | 0 | 0 | 0 | 0 |
| 423 | 3395W | 515200 | Sick Leave Buyback | 0 | Personnel | 0 | 0 | 0 | 0 |
| 424 | 3395W | 515250 | Payouts - Civil Service | 0 | Personnel | 0 | 0 | 0 | 0 |
| 425 | 3395W | 515300 | Payouts - Sick Leave | 0 | Personnel | 0 | 0 | 0 | 0 |
| 426 | 3395W | 515350 | Payouts - Vacation Pay | 0 | Personnel | 0 | 0 | 0 | 0 |
| 427 | 3395W | 515400 | Tool Allowance | 0 | Inflation | 0 | 0 | 0 | 0 |
| 428 | 3395W | 515500 | Sick Accrual Expense | 0 | Personnel | 0 | 0 | 0 | 0 |
| 429 | 3395W | 515550 | Vacation Accrual Expense | 0 | Personnel | 0 | 0 | 0 | 0 |
| 430 | 3395W | 521050 | Social Security | 0 | Personnel | 0 | 0 | 0 | 0 |
| 431 | 3395W | 521100 | Medicare | 0 | Personnel | 0 | 0 | 0 | 0 |
| 432 | 3395W | 522150 | Pensions - General Employees | 0 | Personnel | 0 | 0 | 0 | 0 |
| 433 | 3395W | 522200 | Pensions - ICMA 401a | 0 | Personnel | 0 | 0 | 0 | 0 |
| 434 | 3395W | 522250 | Pensions - OPEB | 0 | Personnel | 0 | 0 | 0 | 0 |
| 435 | 3395W | 522300 | 401a Match Program | 0 | Personnel | 0 | 0 | 0 | 0 |
| 436 | 3395W | 522350 | Pensions - Retirement Health | 0 | Personnel | 0 | 0 | 0 | 0 |
| 437 | 3395W | 523050 | Health Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 438 | 3395W | 523100 | Dental Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 439 | 3395W | 523150 | Life Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 440 | 3395W | 523200 | Long-term Disability Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 441 | 3395W | 524000 | Workers' Compensation | 0 | Worker Comp | 0 | 0 | 0 | 0 |
| 442 | 3395W | 525000 | Unemployment Compensation Fee | 0 | Personnel | 0 | 0 | 0 | 0 |
| 443 | | | Total Personnel Costs | \$0 | | \$0 | \$0 | \$0 | \$0 |
| | | | <u>Operating Services</u> | | | | | | |
| 444 | 3395W | 531010 | Professional Services | \$0 | Inflation | \$0 | \$0 | \$0 | \$0 |
| 445 | 3395W | 534010 | Outside Services | 0 | Inflation | 0 | 0 | 0 | 0 |
| 446 | 3395W | 534010 | Outside Services | 0 | Inflation | 0 | 0 | 0 | 0 |
| 447 | 3395W | 534010 | Outside Services | 0 | Inflation | 0 | 0 | 0 | 0 |
| 448 | 3395W | 546080 | Infrastructure Maintenance | 0 | Repair | 0 | 0 | 0 | 0 |
| 449 | 3395W | 552260 | Water Meter / Hydrant Parts | 0 | Repair | 0 | 0 | 0 | 0 |
| 450 | 3395W | 559010 | Depreciation Expense | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 451 | 3395W | 564040 | Machinery and Equipment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 452 | 3395W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 453 | 3395W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 454 | 3395W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 455 | 3395W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 456 | 3395W | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 457 | | | Total Operating Services | \$0 | | \$0 | \$0 | \$0 | \$0 |
| 458 | | | Total Renewal & Replacement | \$0 | | \$0 | \$0 | \$0 | \$0 |
| | 3396W | | Equipment Replacement | | | | | | |
| | | | <u>Operating Services</u> | | | | | | |
| 459 | 3396W | | Admin Charges to Fleet Services | \$274,844 | Repair | \$283,089 | \$291,582 | \$300,329 | \$309,339 |
| 460 | | | Total Operating Services | \$274,844 | | \$283,089 | \$291,582 | \$300,329 | \$309,339 |
| 461 | | | Total Equipment Replacement | \$274,844 | | \$283,089 | \$291,582 | \$300,329 | \$309,339 |

Table 1-9
City of Hallandale Beach, Florida
Utility Rate Study

Projected Water Operating Expenses

| Line No. | Department Code | Object Codes | Description | Adjusted [1] 2018 | Escalation Reference [2] | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|--------------|--|----------------------|-----------------------------|--|-------------|-------------|--------------|
| | | | | | | 2019 | 2020 | 2021 | 2022 |
| 462 | | | Subtotal Water System | \$7,731,005 | | \$8,035,859 | \$8,356,640 | \$8,691,858 | \$9,050,000 |
| | 8910W | | Charges to Other Fund | | | | | | |
| 463 | 8910W | 549001 | Administrative Charge to the General Fund [3] | \$1,308,714 | Personnel | \$987,652 | \$1,017,281 | \$1,047,800 | \$1,079,234 |
| 464 | 8910W | 549160 | Administrative Charge to the Transportation | 12,387 | Personnel | 12,759 | 13,141 | 13,536 | 13,942 |
| 465 | 8910W | 549410 | Administrative Charge to the Sanitation | 13,824 | Personnel | 14,239 | 14,666 | 15,106 | 15,559 |
| 466 | 8910W | 549440 | Administrative Charge to the Stormwater | 10,052 | Personnel | 10,354 | 10,664 | 10,984 | 11,314 |
| 467 | | | Total Charges to Other Funds | \$1,344,977 | | \$1,025,002 | \$1,055,753 | \$1,087,425 | \$1,120,048 |
| | 9008W | | Transfers to Other Funds | | | | | | |
| 468 | 9008W | 549110 | 10% Operating Reserve | \$0 | Eliminate | \$0 | \$0 | \$0 | \$0 |
| 469 | 9008W | 549103 | Transfer to Renewal and Replacement Fund | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 470 | 9008W | 549801 | Transfer to General Fund | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 471 | 9008W | 549860 | Transfer to Transportation | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 472 | 9008W | 549880 | Transfer to Capital Projects | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 473 | 9008W | 549890 | Transfer to General Liability | 0 | Ins-Property | 0 | 0 | 0 | 0 |
| 474 | 9008W | 549891 | Transfer to Impact Fee | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 475 | | | Total Transfers to Other Funds | \$0 | | \$0 | \$0 | \$0 | \$0 |
| | 2023EW | | Developer Agreement - Village of Gulfstream | | | | | | |
| 476 | 2023EW | 565000 | Construction in Progress | \$0 | Eliminate | \$0 | \$0 | \$0 | \$0 |
| 477 | | | Total Developer Agreement - Village of Gulfstream | \$0 | | \$0 | \$0 | \$0 | \$0 |
| | 2026GW | | Developer Agreement - Wal-Mart | | | | | | |
| 478 | 2026GW | 531000 | Professional Services | \$0 | Eliminate | \$0 | \$0 | \$0 | \$0 |
| 479 | | | Total Developer Agreement - Wal-Mart | \$0 | | \$0 | \$0 | \$0 | \$0 |
| | | | Other | | | | | | |
| 480 | | 599000 | Capital Reclassified as Operating Expense | \$0 | Calculated | \$0 | \$0 | \$0 | \$0 |
| 481 | | | Contingency (1.00% of O&M) [4] | 91,018 | Calculated | 90,871 | 94,398 | 98,654 | 102,594 |
| 482 | | | Bad Debt (0.25% of Rate Revenues) [5] | 25,828 | Calculated | 26,223 | 27,427 | 28,639 | 30,047 |
| 483 | | | Additional Personnel Expenses | 0 | Calculated | 0 | 0 | 57,500 | 59,300 |
| 484 | | | Total Other Expenses | \$116,846 | | \$117,094 | \$121,825 | \$184,793 | \$191,941 |
| 485 | | | Total Water System | \$9,192,828 | | \$9,177,956 | \$9,534,217 | \$9,964,076 | \$10,361,988 |
| 486 | | | Annual Percent Change | N/A | | (0.16%) | 3.88% | 4.51% | 3.99% |

Footnotes:

- [1] Amounts derived from Table 1-7 as allocated to the water system.
[2] Escalation attributes and factors derived from Table 1-11.
[3] General Fund Transfer reduced in 2019 due to discussions with City Staff on cost allocation changes.
[4] Amount based on 1.00% of annual expenses to allow for unforeseen expenses.
[5] Amount based on 0.25% of annual revenues to allow for uncollectible accounts.

Table 1-10
City of Hallandale Beach, Florida
Utility Rate Study

Projected Wastewater Operating Expenses

| Line No. | Department Code | Object Codes | Description | Adjusted [1] 2018 | Escalation Reference [2] | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|--------------|--|----------------------|-----------------------------|--|-------------|-------------|-------------|
| | | | | | | 2019 | 2020 | 2021 | 2022 |
| | 3510S | | Sewer Collection Administration | | | | | | |
| | | | <u>Personnel Costs</u> | | | | | | |
| 1 | 3510S | 512000 | Regular Salaries and Wages | \$614,255 | Personnel | \$632,683 | \$651,663 | \$671,213 | \$691,349 |
| 2 | 3510S | 514000 | Overtime Pay | 30,000 | Personnel | 30,900 | 31,827 | 32,782 | 33,765 |
| 3 | 3510S | 515150 | Auto and Travel Allowances | 0 | Inflation | 0 | 0 | 0 | 0 |
| 4 | 3510S | 515250 | Payouts - Civil Service | 0 | Personnel | 0 | 0 | 0 | 0 |
| 5 | 3510S | 515300 | Payouts - Sick Leave | 0 | Personnel | 0 | 0 | 0 | 0 |
| 6 | 3510S | 515350 | Payouts - Vacation Pay | 0 | Personnel | 0 | 0 | 0 | 0 |
| 7 | 3510S | 521050 | Social Security | 35,099 | Personnel | 36,152 | 37,237 | 38,354 | 39,504 |
| 8 | 3510S | 521100 | Medicare | 8,301 | Personnel | 8,550 | 8,807 | 9,071 | 9,343 |
| 9 | 3510S | 522150 | Pensions - General Employees | 134,644 | Personnel | 138,683 | 142,844 | 147,129 | 151,543 |
| 10 | 3510S | 522200 | Pensions - ICMA 401a | 25,233 | Personnel | 25,990 | 26,770 | 27,573 | 28,400 |
| 11 | 3510S | 522250 | Pensions - OPEB | 0 | Personnel | 0 | 0 | 0 | 0 |
| 12 | 3510S | 522300 | 401a Match Program | 14,236 | Personnel | 14,663 | 15,103 | 15,556 | 16,023 |
| 13 | 3510S | 522350 | Pensions - Retirement Health | 10,751 | Personnel | 11,074 | 11,406 | 11,748 | 12,100 |
| 14 | 3510S | 523050 | Health Insurance | 156,723 | Ins-Health | 172,395 | 189,635 | 208,598 | 229,458 |
| 15 | 3510S | 523100 | Dental Insurance | 1,169 | Ins-Health | 1,286 | 1,414 | 1,556 | 1,712 |
| 16 | 3510S | 523150 | Life Insurance | 976 | Ins-Health | 1,074 | 1,181 | 1,299 | 1,429 |
| 17 | 3510S | 523200 | Long-term Disability Insurance | 864 | Ins-Health | 950 | 1,045 | 1,150 | 1,265 |
| 18 | 3510S | 524000 | Workers' Compensation | 5,937 | Worker Comp | 6,234 | 6,546 | 6,873 | 7,216 |
| 19 | | | Total Personnel Costs | \$1,038,188 | | \$1,080,634 | \$1,125,477 | \$1,172,901 | \$1,223,108 |
| | | | <u>Operating Services</u> | | | | | | |
| 20 | 3510S | 531010 | Professional Services | \$15,000 | ProfSvc | \$15,450 | \$15,914 | \$16,391 | \$16,883 |
| 21 | 3510S | 534010 | Outside Services | 56,000 | ProfSvc | 57,680 | 59,410 | 61,193 | 63,028 |
| 22 | 3510S | 534040 | Special Events | 0 | Inflation | 0 | 0 | 0 | 0 |
| 23 | 3510S | 541010 | Phone and Communications | 924 | Inflation | 945 | 968 | 991 | 1,015 |
| 24 | 3510S | 543010 | Electricity | 96,000 | Utility-S | 102,445 | 109,333 | 116,482 | 124,718 |
| 25 | 3510S | 543020 | Water and Sewer | 4,000 | Utility-S | 4,269 | 4,556 | 4,853 | 5,197 |
| 26 | 3510S | 544010 | Uniforms | 3,273 | Inflation | 3,348 | 3,429 | 3,511 | 3,595 |
| 27 | 3510S | 544030 | Equipment Rental | 1,000 | Inflation | 1,023 | 1,048 | 1,073 | 1,098 |
| 28 | 3510S | 546070 | Maintenance Agreements | 50,000 | Repair | 51,500 | 53,045 | 54,636 | 56,275 |
| 29 | 3510S | 546090 | Office Equipment | 0 | Inflation | 0 | 0 | 0 | 0 |
| 30 | 3510S | 551000 | Office Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 31 | 3510S | 552030 | Equipment and Tools | 10,000 | Repair | 10,300 | 10,609 | 10,927 | 11,255 |
| 32 | 3510S | 552050 | Medical Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 33 | 3510S | 552080 | Traffic Control / Signs | 3,000 | Inflation | 3,069 | 3,143 | 3,218 | 3,295 |
| 34 | 3510S | 552140 | Diesel Fuel | 20,124 | Fuel | 21,130 | 22,187 | 23,296 | 24,461 |
| 35 | 3510S | 552150 | Motor Vehicle Fuel | 9,000 | Fuel | 9,450 | 9,923 | 10,419 | 10,940 |
| 36 | 3510S | 552170 | Computer Equipment and Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 37 | 3510S | 552200 | Uniforms / Protective Clothing | 3,600 | Inflation | 3,683 | 3,771 | 3,862 | 3,954 |
| 38 | 3510S | 552210 | Building Materials / Supplies | 3,000 | Inflation | 3,069 | 3,143 | 3,218 | 3,295 |
| 39 | 3510S | 552300 | Drafting Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 40 | 3510S | 552250 | Machinery Parts | 35,000 | Repair | 36,050 | 37,132 | 38,245 | 39,393 |
| 41 | 3510S | 552250 | Machinery Parts | 0 | Repair | 0 | 0 | 0 | 0 |
| 42 | 3510S | 553010 | Rock and Fill | 1,500 | Inflation | 1,535 | 1,571 | 1,609 | 1,648 |
| 43 | 3510S | 553020 | Asphalt Paving Road Materials | 4,000 | Inflation | 4,092 | 4,190 | 4,291 | 4,394 |
| 44 | 3510S | 554010 | Books and Publications | 0 | Inflation | 0 | 0 | 0 | 0 |
| 45 | 3510S | 554030 | Dues and Memberships | 0 | Inflation | 0 | 0 | 0 | 0 |
| 46 | 3510S | 555020 | Meetings and Seminars | 0 | Inflation | 0 | 0 | 0 | 0 |
| 47 | 3510S | 555040 | General Employee Training | 3,050 | Inflation | 3,120 | 3,195 | 3,272 | 3,350 |
| 48 | 3510S | 555060 | License and Certification | 1,280 | Inflation | 1,309 | 1,341 | 1,373 | 1,406 |
| 49 | 3510S | 564040 | Machinery and Equipment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 50 | | | Total Operating Services | \$319,751 | | \$333,467 | \$347,905 | \$362,860 | \$379,201 |
| 51 | | | Total Sewer Collection Administration | \$1,357,939 | | \$1,414,101 | \$1,473,382 | \$1,535,761 | \$1,602,309 |
| | 3580S | | Debt Service | | | | | | |
| 52 | 3580S | 544020 | Principal Series | \$0 | Eliminate | \$0 | \$0 | \$0 | \$0 |
| 53 | 3580S | 571220 | Principal - 2012 Chase Note | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 54 | 3580S | 571225 | Principal - Bond Series 2014 | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 55 | 3580S | 572200 | Interest Series | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 56 | 3580S | 572220 | Interest - 2012 Chase Note | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 57 | 3580S | 572225 | Interest - Bond Series 2014 | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 58 | 3580S | 573160 | Other Debt Service Costs - 2005A Bonds | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 59 | | | Total Debt Service | \$0 | | \$0 | \$0 | \$0 | \$0 |

Table 1-10
City of Hallandale Beach, Florida
Utility Rate Study

Projected Wastewater Operating Expenses

| Line No. | Department Code | Object Codes | Description | Adjusted [1] 2018 | Escalation Reference [2] | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|--------------|----------------------------------|----------------------|-----------------------------|--|------------|-----------|------------|
| | | | | | | 2019 | 2020 | 2021 | 2022 |
| | 3590S | | Non-Departmental | | | | | | |
| | | | <u>Personnel Costs</u> | | | | | | |
| 60 | 3590S | 512000 | Regular Salaries and Wages | \$0 | Personnel | \$0 | \$0 | \$0 | \$0 |
| 61 | 3590S | 513050 | Other Salaries and Wages | 0 | Personnel | 0 | 0 | 0 | 0 |
| 62 | 3590S | 514000 | Overtime Pay | 0 | Personnel | 0 | 0 | 0 | 0 |
| 63 | 3590S | 515150 | Auto and Travel Allowances | 0 | Personnel | 0 | 0 | 0 | 0 |
| 64 | 3590S | 515200 | Sick Leave Buyback | 0 | Personnel | 0 | 0 | 0 | 0 |
| 65 | 3590S | 515250 | Payouts - Civil Service | 0 | Personnel | 0 | 0 | 0 | 0 |
| 66 | 3590S | 515300 | Payouts - Sick Leave | 5,000 | Personnel | 5,150 | 5,305 | 5,464 | 5,628 |
| 67 | 3590S | 515350 | Payouts - Vacation Pay | 5,000 | Personnel | 5,150 | 5,305 | 5,464 | 5,628 |
| 68 | 3590S | 515400 | Tool Allowance | 0 | Personnel | 0 | 0 | 0 | 0 |
| 69 | 3590S | 515500 | Sick Accrual Expense | 0 | Personnel | 0 | 0 | 0 | 0 |
| 70 | 3590S | 515550 | Vacation Accrual Expense | 0 | Personnel | 0 | 0 | 0 | 0 |
| 71 | 3590S | 521050 | Social Security | 0 | Personnel | 0 | 0 | 0 | 0 |
| 72 | 3590S | 521100 | Medicare | 0 | Personnel | 0 | 0 | 0 | 0 |
| 73 | 3590S | 522150 | Pensions - General Employees | 0 | Personnel | 0 | 0 | 0 | 0 |
| 74 | 3590S | 522200 | Pensions - ICMA 401a | 0 | Personnel | 0 | 0 | 0 | 0 |
| 75 | 3590S | 522250 | Pensions - OPEB | 20,860 | Personnel | 21,486 | 22,130 | 22,794 | 23,478 |
| 76 | 3590S | 522300 | 401a Match Program | 0 | Personnel | 0 | 0 | 0 | 0 |
| 77 | 3590S | 522350 | Pensions - Retirement Health | 0 | Personnel | 0 | 0 | 0 | 0 |
| 78 | 3590S | 523050 | Health Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 79 | 3590S | 523100 | Dental Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 80 | 3590S | 523150 | Life Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 81 | 3590S | 523200 | Long-term Disability Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 82 | 3590S | 524000 | Workers' Compensation | 0 | Worker Comp | 0 | 0 | 0 | 0 |
| 83 | 3590S | 525000 | Unemployment Compensation Fee | 0 | Personnel | 0 | 0 | 0 | 0 |
| 84 | | | Total Personnel Costs | \$30,860 | | \$31,786 | \$32,739 | \$33,722 | \$34,733 |
| | | | <u>Operating Services</u> | | | | | | |
| 85 | 3590S | 531010 | Professional Services | \$0 | Inflation | \$0 | \$0 | \$0 | \$0 |
| 86 | 3590S | 531030 | Employee Physicals | 1,750 | Inflation | 1,790 | 1,833 | 1,877 | 1,922 |
| 87 | 3590S | 531040 | Legal Services | 0 | Inflation | 0 | 0 | 0 | 0 |
| 88 | 3590S | 531050 | Filing and Lien Recording Fees | 0 | Inflation | 0 | 0 | 0 | 0 |
| 89 | 3590S | 532000 | Accounting and Auditing | 0 | Inflation | 0 | 0 | 0 | 0 |
| 90 | 3590S | 534010 | Outside Services | 0 | Inflation | 0 | 0 | 0 | 0 |
| 91 | 3590S | 534010 | Outside Services | 0 | Inflation | 0 | 0 | 0 | 0 |
| 92 | 3590S | 534010 | Outside Services | 0 | Inflation | 0 | 0 | 0 | 0 |
| 93 | 3590S | 534040 | Special Events | 16,000 | Inflation | 16,368 | 16,761 | 17,163 | 17,575 |
| 94 | 3590S | 539055 | Credit Card Fees | 0 | Inflation | 0 | 0 | 0 | 0 |
| 95 | 3590S | 541010 | Phone and Communications | 0 | Inflation | 0 | 0 | 0 | 0 |
| 96 | 3590S | 542000 | Postage and Freight | 11,100 | Inflation | 11,355 | 11,628 | 11,907 | 12,193 |
| 97 | 3590S | 543010 | Electricity | 0 | Inflation | 0 | 0 | 0 | 0 |
| 98 | 3590S | 543020 | Water and Sewer | 0 | Inflation | 0 | 0 | 0 | 0 |
| 99 | 3590S | 543050 | Wastewater Treatment [3] | 9,453,500 | Calculated | 10,088,141 | 10,062,237 | 9,991,555 | 10,698,056 |
| 100 | 3590S | 544010 | Uniforms | 0 | Inflation | 0 | 0 | 0 | 0 |
| 101 | 3590S | 544030 | Equipment Rental | 0 | Inflation | 0 | 0 | 0 | 0 |
| 102 | 3590S | 544070 | Lease - Bus / FEC Railroad | 0 | Inflation | 0 | 0 | 0 | 0 |
| 103 | 3590S | 545010 | Property Insurance Premium | 0 | Ins-Property | 0 | 0 | 0 | 0 |
| 104 | 3590S | 546020 | Communication Equipment | 0 | Inflation | 0 | 0 | 0 | 0 |
| 105 | 3590S | 546050 | Computer Hardware Maintenance | 0 | Inflation | 0 | 0 | 0 | 0 |
| 106 | 3590S | 546060 | Computer Software Maintenance | 0 | Inflation | 0 | 0 | 0 | 0 |
| 107 | 3590S | 546070 | Equipment Maintenance Agreements | 0 | Repair | 0 | 0 | 0 | 0 |
| 108 | 3590S | 546080 | Infrastructure Maintenance | 0 | Repair | 0 | 0 | 0 | 0 |
| 109 | 3590S | 546090 | Office Equipment | 0 | Inflation | 0 | 0 | 0 | 0 |
| 110 | 3590S | 547000 | Printing and Binding | 0 | Inflation | 0 | 0 | 0 | 0 |
| 111 | 3590S | 548010 | Advertising | 850 | Inflation | 870 | 890 | 912 | 934 |
| 112 | 3590S | 549970 | Contingencies | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 113 | 3590S | 549980 | Grant Match Expenditures | 0 | Inflation | 0 | 0 | 0 | 0 |
| 114 | 3590S | 549990 | Working Reserves | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 115 | 3590S | 551000 | Office Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 116 | 3590S | 552010 | Specialized Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 117 | 3590S | 552020 | Meter Boxes | 0 | Repair | 0 | 0 | 0 | 0 |
| 118 | 3590S | 552030 | Equipment and Tools | 0 | Repair | 0 | 0 | 0 | 0 |
| 119 | 3590S | 552050 | Medical Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 120 | 3590S | 552060 | Chemicals | 0 | Chem-S | 0 | 0 | 0 | 0 |
| 121 | 3590S | 552070 | Small Furniture and Fixtures | 0 | Inflation | 0 | 0 | 0 | 0 |
| 122 | 3590S | 552080 | Traffic Control / Signs | 0 | Inflation | 0 | 0 | 0 | 0 |
| 123 | 3590S | 552090 | Horticultural / Beautification | 18,500 | Inflation | 18,926 | 19,380 | 19,845 | 20,321 |
| 124 | 3590S | 552140 | Diesel Fuel | 0 | Fuel | 0 | 0 | 0 | 0 |
| 125 | 3590S | 552150 | Motor Vehicle Fuel | 0 | Fuel | 0 | 0 | 0 | 0 |
| 126 | 3590S | 552160 | Grease, Oil, and Lubricants | 0 | Inflation | 0 | 0 | 0 | 0 |
| 127 | 3590S | 552170 | Computer Equipment and Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 128 | 3590S | 552180 | Water Main Repair Parts | 0 | Repair | 0 | 0 | 0 | 0 |
| 129 | 3590S | 552200 | Uniforms / Protective Clothing | 0 | Inflation | 0 | 0 | 0 | 0 |

Table 1-10
City of Hallandale Beach, Florida
Utility Rate Study

Projected Wastewater Operating Expenses

| Line No. | Department Code | Object Codes | Description | Adjusted [1] 2018 | Escalation Reference [2] | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|--------------|----------------------------------|----------------------|-----------------------------|--|---------------------|---------------------|---------------------|
| | | | | | | 2019 | 2020 | 2021 | 2022 |
| 130 | 3590S | 552210 | Building Materials / Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 131 | 3590S | 552230 | CM Project / Program Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 132 | 3590S | 552250 | Machinery Parts | 0 | Repair | 0 | 0 | 0 | 0 |
| 133 | 3590S | 552270 | Hurricane Preparedness | 0 | Inflation | 0 | 0 | 0 | 0 |
| 134 | 3590S | 552290 | Cement | 0 | Inflation | 0 | 0 | 0 | 0 |
| 135 | 3590S | 552300 | Drafting Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 136 | 3590S | 553010 | Rock and Fill | 0 | Inflation | 0 | 0 | 0 | 0 |
| 137 | 3590S | 553020 | Asphalt Paving Road Materials | 0 | Inflation | 0 | 0 | 0 | 0 |
| 138 | 3590S | 554010 | Books and Publications | 0 | Inflation | 0 | 0 | 0 | 0 |
| 139 | 3590S | 554030 | Dues and Memberships | 0 | Inflation | 0 | 0 | 0 | 0 |
| 140 | 3590S | 554040 | Internet Subscriptions | 0 | Inflation | 0 | 0 | 0 | 0 |
| 141 | 3590S | 555010 | Computer Training | 0 | Inflation | 0 | 0 | 0 | 0 |
| 142 | 3590S | 555020 | Meetings and Seminars | 0 | Inflation | 0 | 0 | 0 | 0 |
| 143 | 3590S | 555030 | Tuition Reimbursement | 0 | Inflation | 0 | 0 | 0 | 0 |
| 144 | 3590S | 555040 | General Employee Training | 0 | Inflation | 0 | 0 | 0 | 0 |
| 145 | 3590S | 555060 | License and Certification | 0 | Inflation | 0 | 0 | 0 | 0 |
| 146 | 3590S | 559010 | Depreciation Expense | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 147 | 3590S | 564040 | Machinery and Equipment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 148 | 3590S | 564070 | Computer Equipment and Supplies | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 149 | 3590S | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 150 | 3590S | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 151 | 3590S | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 152 | | | Total Operating Services | \$9,501,700 | | \$10,137,449 | \$10,112,729 | \$10,043,259 | \$10,751,001 |
| 153 | | | Total Non-Departmental | \$9,532,560 | | \$10,169,235 | \$10,145,469 | \$10,076,980 | \$10,785,734 |
| | 3595S | | Renewal & Replacement | | | | | | |
| | | | <u>Personnel Costs</u> | | | | | | |
| 154 | 3595S | 512000 | Regular Salaries and Wages | \$0 | Personnel | \$0 | \$0 | \$0 | \$0 |
| 155 | 3595S | 513050 | Other Salaries and Wages | 0 | Personnel | 0 | 0 | 0 | 0 |
| 156 | 3595S | 514000 | Overtime Pay | 0 | Personnel | 0 | 0 | 0 | 0 |
| 157 | 3595S | 515150 | Auto and Travel Allowances | 0 | Personnel | 0 | 0 | 0 | 0 |
| 158 | 3595S | 515200 | Sick Leave Buyback | 0 | Personnel | 0 | 0 | 0 | 0 |
| 159 | 3595S | 515250 | Payouts - Civil Service | 0 | Personnel | 0 | 0 | 0 | 0 |
| 160 | 3595S | 515300 | Payouts - Sick Leave | 0 | Personnel | 0 | 0 | 0 | 0 |
| 161 | 3595S | 515350 | Payouts - Vacation Pay | 0 | Personnel | 0 | 0 | 0 | 0 |
| 162 | 3595S | 515400 | Tool Allowance | 0 | Personnel | 0 | 0 | 0 | 0 |
| 163 | 3595S | 515500 | Sick Accrual Expense | 0 | Personnel | 0 | 0 | 0 | 0 |
| 164 | 3595S | 515550 | Vacation Accrual Expense | 0 | Personnel | 0 | 0 | 0 | 0 |
| 165 | 3595S | 521050 | Social Security | 0 | Personnel | 0 | 0 | 0 | 0 |
| 166 | 3595S | 521100 | Medicare | 0 | Personnel | 0 | 0 | 0 | 0 |
| 167 | 3595S | 522150 | Pensions - General Employees | 0 | Personnel | 0 | 0 | 0 | 0 |
| 168 | 3595S | 522200 | Pensions - ICMA 401a | 0 | Personnel | 0 | 0 | 0 | 0 |
| 169 | 3595S | 522250 | Pensions - OPEB | 0 | Personnel | 0 | 0 | 0 | 0 |
| 170 | 3595S | 522300 | 401a Match Program | 0 | Personnel | 0 | 0 | 0 | 0 |
| 171 | 3595S | 522350 | Pensions - Retirement Health | 0 | Personnel | 0 | 0 | 0 | 0 |
| 172 | 3595S | 523050 | Health Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 173 | 3595S | 523100 | Dental Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 174 | 3595S | 523150 | Life Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 175 | 3595S | 523200 | Long-term Disability Insurance | 0 | Ins-Health | 0 | 0 | 0 | 0 |
| 176 | 3595S | 524000 | Workers' Compensation | 0 | Worker Comp | 0 | 0 | 0 | 0 |
| 177 | 3595S | 525000 | Unemployment Compensation Fee | 0 | Personnel | 0 | 0 | 0 | 0 |
| 178 | | | Total Personnel Costs | \$0 | | \$0 | \$0 | \$0 | \$0 |

Table 1-10
City of Hallandale Beach, Florida
Utility Rate Study

Projected Wastewater Operating Expenses

| Line No. | Department Code | Object Codes | Description | Adjusted [1] 2018 | Escalation Reference [2] | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|--------------|---|----------------------|-----------------------------|--|--------------|--------------|--------------|
| | | | | | | 2019 | 2020 | 2021 | 2022 |
| | | | <u>Operating Services</u> | | | | | | |
| 179 | 3595S | 531010 | Professional Services | \$0 | Inflation | \$0 | \$0 | \$0 | \$0 |
| 180 | 3595S | 534010 | Outside Services | 0 | Inflation | 0 | 0 | 0 | 0 |
| 181 | 3595S | 552170 | Computer Equipment and Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 182 | 3595S | 563070 | Sewer Lines | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 183 | 3595S | 564040 | Machinery and Equipment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 184 | 3595S | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 185 | 3595S | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 186 | 3595S | 565000 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 187 | | | Total Operating Services | \$0 | | \$0 | \$0 | \$0 | \$0 |
| 188 | | | Total Renewal & Replacement | \$0 | | \$0 | \$0 | \$0 | \$0 |
| | 3596S | | <u>Equipment Replacement</u> | | | | | | |
| | | | <u>Operating Services</u> | | | | | | |
| 189 | 3596S | 549530 | Admin Charges to Fleet Services | \$381,784 | Repair | \$393,238 | \$405,035 | \$417,186 | \$429,701 |
| 190 | | | Total Operating Services | \$381,784 | | \$393,238 | \$405,035 | \$417,186 | \$429,701 |
| 191 | | | Total Equipment Replacement | \$381,784 | | \$393,238 | \$405,035 | \$417,186 | \$429,701 |
| 192 | | | Subtotal Sewer System | \$11,272,283 | | \$11,976,573 | \$12,023,885 | \$12,029,927 | \$12,817,744 |
| | 3596S | | SRF Loan WW0061720 | | | | | | |
| | | | <u>Operating Services</u> | | | | | | |
| 193 | 3596S | 531010 | Professional Services | \$0 | Inflation | \$0 | \$0 | \$0 | \$0 |
| 194 | | | Total Operating Services | \$0 | | \$0 | \$0 | \$0 | \$0 |
| 195 | | | Total SRF Loan WW0061720 | \$0 | | \$0 | \$0 | \$0 | \$0 |
| | 8912S | | Charges to Other Fund | | | | | | |
| 196 | 8912S | 549001 | Administrative Transfer to the General Fund [4] | \$1,098,347 | Personnel | \$560,513 | \$577,328 | \$594,648 | \$612,488 |
| 197 | 8912S | 549160 | Administrative Transfer to the Transportation | 874 | Personnel | 900 | 927 | 955 | 984 |
| 198 | 8912S | 549410 | Administrative Transfer to the Sanitation | 61,860 | Personnel | 63,716 | 65,627 | 67,596 | 69,624 |
| 199 | 8912S | 549440 | Administrative Transfer to the Stormwater | 11,489 | Personnel | 11,834 | 12,189 | 12,554 | 12,931 |
| 200 | | | Total Charges to Other Funds | \$1,172,570 | | \$636,963 | \$656,072 | \$675,754 | \$696,026 |
| | 9010S | | Transfers to Other Funds | | | | | | |
| 201 | 9010S | 549110 | 10% Operating Reserve | \$1,000,000 | Constant | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 |
| 201 | 9010S | 549103 | Transfer to Renewal and Replacement Fund | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 202 | 9010S | 549801 | Transfer to General Fund | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 203 | 9010S | 549860 | Transfer to Transportation | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 204 | 9010S | 549880 | Transfer to Capital Projects | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 205 | 9010S | 549890 | Transfer to General Liability | 0 | Ins-Property | 0 | 0 | 0 | 0 |
| 206 | 9010S | 549891 | Transfer to Impact Fee | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 207 | | | Total Transfers to Other Funds | \$1,000,000 | | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 |
| | | | Other | | | | | | |
| 208 | | 599000 | Capital Reclassified as Operating Expense | \$0 | Calculated | \$0 | \$0 | \$0 | \$0 |
| 209 | | | Contingency (1.00% of O&M) [5] | 134,802 | Calculated | 136,495 | 137,172 | 137,443 | 145,539 |
| 210 | | | Bad Debt (0.25% of Rate Revenues) [6] | 35,391 | Calculated | 35,969 | 37,290 | 38,594 | 40,142 |
| 211 | | | Additional Personnel Expenses | 0 | Calculated | 0 | 0 | 0 | 0 |
| 212 | | | Total Other Expenses | \$170,194 | | \$172,464 | \$174,463 | \$176,037 | \$185,681 |
| 213 | | | Total Sewer System | \$13,615,047 | | \$13,785,999 | \$13,854,420 | \$13,881,718 | \$14,699,452 |
| | | | Annual Percent Change | N/A | | 1.26% | 0.50% | 0.20% | 5.89% |

Footnotes:

- [1] Amounts derived from Table 1-8 as allocated to the water system.
[2] Escalation attributes and factors derived from Table 1-11.
[3] Amounts derived from Table 1-13.
[4] General Fund Transfer reduced in 2019 due to discussions with City Staff on cost allocation changes.
[5] Amount based on 1.00% of annual expenses to allow for unforeseen expenses.
[6] Amount based on 0.25% of annual revenues to allow for uncollectible accounts.

Table 1-11
City of Hallandale Beach, Florida
Utility Rate Study

Summary of Projected Water and Wastewater System Expense Escalation Factors

| Line No. | Description | Escalation Reference | Projected Fiscal Year Ending September 30, | | | |
|----------|--|----------------------|--|--------|--------|--------|
| | | | 2019 | 2020 | 2021 | 2022 |
| 1 | Constant | Constant | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | General Inflation (CPI-U Index) [1] | Inflation | 1.0230 | 1.0240 | 1.0240 | 1.0240 |
| 3 | Labor and Benefits Escalator | Personnel | 1.0300 | 1.0300 | 1.0300 | 1.0300 |
| 4 | Customer Acct. Growth + Inflation (Water) | Cust-Water | 1.0883 | 1.0869 | 1.0777 | 1.0937 |
| 5 | Customer Acct. Growth + Inflation (Sewer) | Cust-Sewer | 1.0953 | 1.0931 | 1.0827 | 1.0999 |
| 6 | Rate Revenue - Water | Water Rev | 1.0153 | 1.0459 | 1.0442 | 1.0491 |
| 7 | Rate Revenue - Sewer | Sewer Rev | 1.0163 | 1.0367 | 1.0350 | 1.0401 |
| 8 | Flow Growth + Inflation (Water) | Water Flow | 1.0363 | 1.0375 | 1.0361 | 1.0403 |
| 9 | Flow Growth + Inflation (Sewer) | Sewer Flow | 1.0397 | 1.0408 | 1.0390 | 1.0442 |
| 10 | Electric Utility Costs | Utility | 1.0500 | 1.0500 | 1.0500 | 1.0500 |
| 11 | Flow Growth + Utility Costs (Water) | Utility-W | 1.0637 | 1.0638 | 1.0624 | 1.0667 |
| 12 | Flow Growth + Utility Costs (Sewer) | Utility-S | 1.0671 | 1.0672 | 1.0654 | 1.0707 |
| 13 | Chemical Costs | Chemical | 1.0500 | 1.0500 | 1.0500 | 1.0500 |
| 14 | Flow Growth + Chemicals (Water) | Chem-W | 1.0637 | 1.0638 | 1.0624 | 1.0667 |
| 15 | Flow Growth + Chemicals (Sewer) | Chem-S | 1.0671 | 1.0672 | 1.0654 | 1.0707 |
| 16 | Life/Health/Disability Insurance Escalator | Ins-Health | 1.1000 | 1.1000 | 1.1000 | 1.1000 |
| 17 | Workers' Compensation | Worker Comp | 1.0500 | 1.0500 | 1.0500 | 1.0500 |
| 18 | Property Insurance Escalator | Ins-Property | 1.0300 | 1.0300 | 1.0300 | 1.0300 |
| 19 | Repair and Maintenance | Repair | 1.0300 | 1.0300 | 1.0300 | 1.0300 |
| 20 | Marginal Escalator | Margin | 1.0100 | 1.0100 | 1.0100 | 1.0100 |
| 21 | Eliminate | Eliminate | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 22 | Fuel | Fuel | 1.0500 | 1.0500 | 1.0500 | 1.0500 |
| 23 | Water Flows | Wflow | 1.0130 | 1.0132 | 1.0118 | 1.0159 |
| 24 | Wastewater Flows | Sflow | 1.0163 | 1.0164 | 1.0147 | 1.0197 |
| 25 | Change in Growth in Water Accounts [2] | WCustGrowth | 7.2459 | 1.0226 | 0.9071 | 1.3659 |
| 26 | Change in Growth in Sewer Accounts [2] | SCustGrowth | 7.2459 | 1.0226 | 0.9071 | 1.3659 |
| 27 | Professional Services | ProfSvc | 1.0300 | 1.0300 | 1.0300 | 1.0300 |
| 28 | Bulk Water | Bulk Water | 1.0637 | 1.0638 | 1.0624 | 1.0667 |

Footnotes:

[1] Inflation figures obtained from the "The Budget and Economic Outlook: An Update" published by the Congressional Budget Office as of June 2017.

[2] Factors shown are based on the change in the growth rate of the respective account type.

Table 1-12
City of Hallandale Beach, Florida
Utility Rate Study

Allocation References

| Line No. | Description | Basis | Fiscal Year 2018 | | Combined Total |
|----------|--------------------------|-----------|------------------|-------------------|----------------|
| | | | Water System | Wastewater System | |
| 1 | Direct Water System | Direct-W | 100.00% | 0.00% | 100.00% |
| 2 | Direct Wastewater System | Direct-S | 0.00% | 100.00% | 100.00% |
| 3 | Equal | Equal | 50.00% | 50.00% | 100.00% |
| 4 | Total Personnel Expense | Personnel | 81.11% | 18.89% | 100.00% |
| 5 | Operating Expenses | Expenses | 40.31% | 59.69% | 100.00% |
| 6 | Customer Accounts | Accounts | 53.81% | 46.19% | 100.00% |
| 7 | Rate Revenues | Revenues | 42.19% | 57.81% | 100.00% |

Derivation of Allocation References

| | | Water System | Wastewater System | Combined Total |
|----|---------------------------------|--------------|-------------------|----------------|
| | <u>Personnel Expense</u> | | | |
| 8 | Water Administration | \$1,230,925 | \$0 | \$1,230,925 |
| 9 | Water Production | 1,253,253 | 0 | 1,253,253 |
| 10 | Transmission and Distribution | 1,135,669 | 0 | 1,135,669 |
| 11 | Utility Billing Division | 636,861 | 0 | 636,861 |
| 12 | Plant Maintenance | 242,681 | 0 | 242,681 |
| 13 | Non-Departmental | 90,000 | 30,860 | 120,860 |
| 14 | Renewal & Replacement | 0 | 0 | 0 |
| 15 | Sewer Collection Administration | 0 | 1,038,188 | 1,038,188 |
| 16 | Total Personnel Expense - 2018 | \$4,589,389 | \$1,069,048 | \$5,658,437 |
| 17 | Personnel Expense Allocation | 81.11% | 18.89% | 100.00% |
| 18 | Operating Expenses - 2018 | \$9,192,828 | \$13,615,047 | \$22,807,874 |
| 19 | Operating Expense Allocation | 40.31% | 59.69% | 100.00% |
| 20 | Customer Accounts - 2018 | 6,922 | 5,942 | 12,864 |
| 21 | Customer Accounts Allocation | 53.81% | 46.19% | 100.00% |
| 22 | Rate Revenues - 2018 | \$10,331,037 | \$14,156,442 | \$24,487,479 |
| 23 | Rate Revenues Allocation | 42.19% | 57.81% | 100.00% |

Table 1-13
City of Hallandale Beach, Florida
Utility Rate Study

Projected Bulk Sewer Purchase Costs

| Line No. | Description | Actual 2017 | Budgeted [1] 2018 | Projected Fiscal Year Ending September 30, [2] | | | |
|----------|---|---------------------------|---------------------------|--|----------------------------|---------------------------|----------------------------|
| | | | | 2019 | 2020 | 2021 | 2022 |
| | <u>Hollywood Bulk Sewer Purchases</u> | | | | | | |
| 1 | Wastewater Revenue Gallons - Est. Metered Sales | 1,619,239 | 1,622,894 | 1,649,374 | 1,676,454 | 1,701,018 | 1,734,568 |
| 2 | Projected Infiltration and Inflow | 951,685 | 953,833 | 969,396 | 985,312 | 999,749 | 1,019,468 |
| 3 | Percent of Purchases | 37% | 37% | 37% | 37% | 37% | 37% |
| 4 | Projected Increase in Sewer Flow | NA | 0.23% | 1.63% | 1.64% | 1.47% | 1.97% |
| 5 | Thousands of Gallons Purchased | 2,570,924 | 2,576,726 | 2,618,771 | 2,661,767 | 2,700,767 | 2,754,036 |
| 6 | MGD Purchased | 7.044 | 7.060 | 7.175 | 7.293 | 7.399 | 7.545 |
| 7 | Cost per Thousand Gallons | \$3.25 | \$3.50 | \$3.68 | \$3.86 | \$4.05 | \$4.25 |
| 8 | % Annual Cost Increase | NA | 7.69% | 5.00% | 5.00% | 5.00% | 5.00% |
| 9 | Total Bulk Sewer Flow Cost | <u>\$8,355,502</u> | <u>\$9,018,542</u> | <u>\$9,623,983</u> | <u>\$10,271,092</u> | <u>\$10,942,664</u> | <u>\$11,716,418</u> |
| 10 | Annual % Increase in Bulk Sewer Flow Costs | | 7.94% | 6.71% | 6.72% | 6.54% | 7.07% |
| | <u>Savings Based on Reducing I&I</u> | | | | | | |
| 11 | Infiltration and Inflow | 951,685 | 953,833 | 969,396 | 985,312 | 999,749 | 1,019,468 |
| 12 | Projected I&I Percentage After Improvements | <u>37%</u> | <u>37%</u> | <u>37%</u> | <u>30%</u> | <u>24%</u> | <u>24%</u> |
| 13 | Reduction in Infiltration and Inflow | <u>0</u> | <u>0</u> | <u>0</u> | 182,500 | 365,000 | 372,199 |
| 14 | Incremental Savings Rate per Thousand Gallons | <u>NA</u> | <u>\$3.50</u> | <u>\$3.68</u> | <u>\$3.86</u> | <u>\$4.05</u> | <u>\$4.25</u> |
| 15 | Less Savings Based on Reducing I&I | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> | \$704,222 | \$1,478,866 | \$1,583,436 |
| 16 | Other Adjustments - True Up Payments / Other | \$83,045 | \$434,958 | \$464,158 | \$495,367 | \$527,757 | \$565,074 |
| 17 | Total Bulk Sewer Purchased Cost | <u><u>\$8,438,547</u></u> | <u><u>\$9,453,500</u></u> | <u><u>\$10,088,141</u></u> | <u><u>\$10,062,237</u></u> | <u><u>\$9,991,555</u></u> | <u><u>\$10,698,056</u></u> |
| 18 | Total Annual % Increase | NA | 12.03% | 6.71% | (0.26%) | (0.70%) | 7.07% |

Footnotes

[1] Fiscal Year 2018 Bulk Sewer Purchased Cost amount derived from the Adopted Fiscal Year 2018 Budget.

[2] Based on information provided by the City, I&I flows are anticipated to be reduced by approximately 1.0 MGD starting in 2020.

Table 1-14
City of Hallandale Beach, Florida
Utility Rate Study

Projected Capital Funding Program [1]

| Line No. | Description | Project Number | System Allocation (%) | | Escalation Factor | Funding Source | Projected Fiscal Years Ending September 30, | | | | | |
|--|---|----------------|-----------------------|-------|-------------------|----------------|---|-----------|-----------|-----------|---------|-----------|
| | | | Water | Sewer | | | 2018 | 2019 | 2020 | 2021 | 2022 | Total |
| <u>Capital Escalation</u> | | | | | | | | | | | | |
| 1 | No Assumed Escalation (0.0% per year) | | | | None | | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| 2 | Inflation (~2.4% per year) | | | | Inflation | | 1.0000 | 1.0230 | 1.0476 | 1.0727 | 1.0984 | |
| 3 | ENR Index Average (3.0% per year) | | | | ENR | | 1.0000 | 1.0300 | 1.0609 | 1.0927 | 1.1255 | |
| 4 | Marginal Increase (1.0% per year) | | | | Marginal | | 1.0000 | 1.0100 | 1.0201 | 1.0303 | 1.0406 | |
| 5 | High Increase (5.0% per year) | | | | High | | 1.0000 | 1.0500 | 1.1025 | 1.1576 | 1.2155 | |
| Utility Fund Capital Improvement Projects | | | | | | | | | | | | |
| Water Capital Improvement Projects | | | | | | | | | | | | |
| 6 | Water Distribution Upgrade | P1613 | 100% | 0% | ENR | WREV2 | \$606,320 | \$0 | \$0 | \$0 | \$0 | \$606,320 |
| 7 | Public Works - New Admin Master Plan | P1602 | 100% | 0% | ENR | WREV2 | 100,000 | 0 | 0 | 0 | 0 | 100,000 |
| 8 | NE 14th Ave. Enhanced Landscaping | P1605 | 100% | 0% | ENR | WREV2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | High Service Pumps and Transfer Pumps | P1606 | 100% | 0% | ENR | W-OR | 3,000,051 | 1,127,850 | 0 | 0 | 0 | 4,127,901 |
| 10 | SW/SE Drainage Improvement | P1610 | 88% | 12% | ENR | WREV2 | 16,632 | 0 | 0 | 0 | 0 | 16,632 |
| 11 | Water Plant Scada Enhancement | P1503 | 100% | 0% | ENR | WREV2 | 144,000 | 0 | 0 | 0 | 0 | 144,000 |
| 12 | Hibiscus - Sunset Drive Water Main Interconnect | P1703 | 100% | 0% | ENR | WREV2 | 25,000 | 0 | 0 | 0 | 0 | 25,000 |
| 13 | Foster Road Water Main Upgrade | P1705 | 100% | 0% | ENR | WREV2 | 100,000 | 0 | 0 | 0 | 0 | 100,000 |
| 14 | WTP Infrastructure Assessment | P1706 | 100% | 0% | ENR | WREV2 | 80,791 | 0 | 0 | 0 | 0 | 80,791 |
| 15 | Water Plant Filtration System | P1707 | 100% | 0% | ENR | WREV2 | 1,316,000 | 0 | 0 | 0 | 0 | 1,316,000 |
| 17 | Medium Car (Administration) | 1009 | 100% | 0% | ENR | WREV2 | 24,597 | 0 | 0 | 0 | 0 | 24,597 |
| 18 | Pickup - 1/2 Ton (Water Transmission) | 900 | 100% | 0% | ENR | WREV2 | 30,747 | 0 | 0 | 0 | 0 | 30,747 |
| 19 | Pickup - 3/4 Ton (Water Transmission) | 966 | 100% | 0% | ENR | WREV2 | 36,896 | 0 | 0 | 0 | 0 | 36,896 |
| 20 | Additional Vehicle Requests | N/A | 100% | 0% | ENR | WREV2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Water Main Insertion Valves - Citywide | N/A | 100% | 0% | ENR | W-RR | 0 | 103,000 | 106,090 | 109,273 | 112,551 | 430,914 |
| 22 | Water Plant Membranes Replacement | N/A | 100% | 0% | ENR | W-RR | 0 | 721,000 | 0 | 0 | 0 | 721,000 |
| 23 | Membrane Skids Influent Modulating Valve(s) | N/A | 100% | 0% | ENR | WREV2 | 0 | 360,500 | 0 | 0 | 0 | 360,500 |
| 24 | Foster Road Water Main Upgrade | N/A | 100% | 0% | ENR | WREV2 | 0 | 978,500 | 0 | 0 | 0 | 978,500 |
| 25 | Water Distribution Upgrades | N/A | 100% | 0% | ENR | W-RR | 0 | 0 | 530,450 | 546,364 | 562,754 | 1,639,568 |
| 26 | Water Treatment Plant Filtration | N/A | 100% | 0% | ENR | WREV2 | 0 | 515,000 | 530,450 | 546,364 | 0 | 1,591,814 |
| 27 | Water Plant Membranes Replacement | N/A | 100% | 0% | ENR | WREV2 | 0 | 697,310 | 0 | 0 | 0 | 697,310 |
| 28 | Water Plant Degasifier Packing Media | N/A | 100% | 0% | ENR | WREV2 | 0 | 128,750 | 0 | 0 | 0 | 128,750 |
| 29 | Membrane Skid No. 3 | N/A | 100% | 0% | ENR | WCF | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | Membrane Skid No. 3 (Split) | N/A | 100% | 0% | ENR | W-OR | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | Monitoring Well Instrumentation and Sampling | N/A | 100% | 0% | ENR | WREV2 | 0 | 41,200 | 0 | 0 | 0 | 41,200 |
| 32 | Membrane and Generator Buildings AC Units | N/A | 100% | 0% | ENR | WREV2 | 0 | 57,680 | 0 | 0 | 0 | 57,680 |
| 33 | Plant Site Lighting, Security and Signage Improvements | N/A | 100% | 0% | ENR | WREV2 | 0 | 511,910 | 0 | 0 | 0 | 511,910 |
| 34 | WTP Security Risk Analysis | N/A | 100% | 0% | ENR | WREV2 | 0 | 0 | 282,199 | 0 | 0 | 282,199 |
| 35 | Alternative Water Supply - Phase 1 (initial payment) from C-51 | N/A | 100% | 0% | None | Debt3 | 0 | 0 | 0 | 2,600,000 | 0 | 2,600,000 |
| 36 | Alternative Water Supply - Phase 1 (initial payment) from C-51 (Split) | N/A | 100% | 0% | None | WCF | 0 | 0 | 0 | 2,000,000 | 0 | 2,000,000 |
| 37 | Raw Water Well Nos. 3, 5, 7 and 8 Redevelopment | N/A | 100% | 0% | ENR | Debt3 | 0 | 0 | 606,835 | 0 | 0 | 606,835 |
| 38 | Raw Water Well Nos. 3, 5, 7 and 8 Wellhead Upgrade | N/A | 100% | 0% | ENR | Debt3 | 0 | 0 | 951,627 | 0 | 0 | 951,627 |
| 39 | Raw Water Well Nos. 3, 5, 7 and 8 Pump and Motor | N/A | 100% | 0% | ENR | Debt3 | 0 | 0 | 467,857 | 0 | 0 | 467,857 |
| 40 | WTP Disinfection Improvements | N/A | 100% | 0% | ENR | Debt3 | 0 | 0 | 2,086,790 | 0 | 0 | 2,086,790 |
| 41 | WTP Polymer Storage and Feed System | N/A | 100% | 0% | ENR | WREV2 | 0 | 0 | 0 | 187,949 | 0 | 187,949 |
| 42 | WTP Sodium Hex Storage and Feed System | N/A | 100% | 0% | ENR | WREV2 | 0 | 0 | 0 | 187,949 | 0 | 187,949 |
| 43 | WTP Filters 1-6 Filter Media | N/A | 100% | 0% | ENR | WREV2 | 0 | 0 | 0 | 557,291 | 0 | 557,291 |
| 44 | WTP Filters 1-6 Underdrains | N/A | 100% | 0% | ENR | Debt3 | 0 | 0 | 0 | 1,055,574 | 0 | 1,055,574 |
| 45 | WTP Filters 7-10 Filter Media | N/A | 100% | 0% | ENR | WREV2 | 0 | 0 | 0 | 371,527 | 0 | 371,527 |
| 46 | WTP Filters 7-10 Underdrains | N/A | 100% | 0% | ENR | W-OR | 0 | 0 | 0 | 956,136 | 0 | 956,136 |
| 47 | Deep Injection Well Testing | N/A | 100% | 0% | ENR | WREV2 | 0 | 0 | 0 | 65,564 | 0 | 65,564 |
| 48 | Membrane Building, Generator Building and Degasifier Structure Painting | N/A | 100% | 0% | ENR | WREV2 | 0 | 0 | 0 | 121,293 | 0 | 121,293 |
| 49 | Lime Plant Air Compressor | N/A | 100% | 0% | ENR | WREV2 | 0 | 0 | 0 | 0 | 25,887 | 25,887 |

Table 1-14
City of Hallandale Beach, Florida
Utility Rate Study

Projected Capital Funding Program [1]

| Line No. | Description | Project Number | System Allocation (%) | | Escalation Factor | Funding Source | Projected Fiscal Years Ending September 30, | | | | | |
|--|---|----------------|-----------------------|-------|-------------------|----------------|---|--------------------|---------------------|---------------------|--------------------|---------------------|
| | | | Water | Sewer | | | 2018 | 2019 | 2020 | 2021 | 2022 | Total |
| 50 | WTP Auxiliary Diesel Driven Pump and Fuel Storage | N/A | 100% | 0% | ENR | WREV2 | 0 | 0 | 0 | 0 | 389,426 | 389,426 |
| 51 | WTP Pumps & Motors, Small (<5hp) (e.g., sump pumps, sampling pumps, | N/A | 100% | 0% | ENR | WREV2 | 0 | 0 | 0 | 0 | 22,510 | 22,510 |
| 52 | Alternative Water Supply - Phase 2 (1 mgd) from C-51 | N/A | 100% | 0% | None | Debt4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | Public Works Complex Allocation | N/A | 50% | 50% | ENR | WREV2 | 0 | 0 | 0 | 109,273 | 67,531 | 176,803 |
| 54 | Total Water Capital Improvement Projects | | | | | | \$5,481,034 | \$5,242,700 | \$5,562,299 | \$9,414,555 | \$1,180,659 | \$26,881,246 |
| 55 | Water Departmental Capital Outlay | | 100% | 0% | Inflation | WREV1 | \$60,000 | \$61,380 | \$62,853 | \$64,362 | \$65,906 | \$314,501 |
| 56 | Total Water System Departmental Capital Outlay | | | | | | \$60,000 | \$61,380 | \$62,853 | \$64,362 | \$65,906 | \$314,501 |
| 57 | Total Water Capital Improvement Projects | | | | | | \$5,541,034 | \$5,304,080 | \$5,625,152 | \$9,478,917 | \$1,246,565 | \$27,195,747 |
| Sanitary Sewer Capital Improvement Projects | | | | | | | | | | | | |
| 58 | SW/SE Drainage Improvement | | 88% | 12% | ENR | SREV2 | \$2,292 | \$0 | \$0 | \$0 | \$0 | \$2,292 |
| 59 | Foster Road Lift Station Backup Generator | | 0% | 100% | ENR | SREV2 | 9,000 | 0 | 0 | 0 | 0 | 9,000 |
| 60 | Lift Station Rehabilitation #8 | | 0% | 100% | ENR | Other | 2,473,624 | 0 | 0 | 0 | 0 | 2,473,624 |
| 61 | Lift Station Rehabilitation - Split Funding | | 0% | 100% | ENR | SCF | 526,376 | 0 | 0 | 0 | 0 | 526,376 |
| 62 | Pickup - 3/4 Ton (Sewer) | | 0% | 100% | ENR | SREV2 | 36,896 | 0 | 0 | 0 | 0 | 36,896 |
| 63 | Trailer - Light (Sewer) | | 0% | 100% | ENR | SREV2 | 18,000 | 0 | 0 | 0 | 0 | 18,000 |
| 64 | Sewer Lift Stations Upgrades | | 0% | 100% | ENR | Other | 0 | 1,030,000 | 3,182,700 | 1,963,630 | 2,162,102 | 8,338,433 |
| 65 | Sewer Pipes (Inflow and Infiltration) Rehabilitation | | 0% | 100% | ENR | SREV2 | 32,000 | 321,000 | 342,630 | 364,909 | 387,856 | 1,448,395 |
| 66 | Sewer Pipes (Inflow and Infiltration) Rehabilitation (Split) | | 0% | 100% | ENR | S-RR | 0 | 400,000 | 400,000 | 400,000 | 400,000 | 1,600,000 |
| 67 | Sewer Force Mains Upgrades | | 0% | 100% | ENR | Other | 0 | 1,030,000 | 1,060,900 | 1,092,727 | 1,609,478 | 4,793,105 |
| 68 | Gravity Line Upgrades | | 0% | 100% | ENR | S-RR | 0 | 0 | 238,703 | 245,864 | 0 | 484,566 |
| 69 | Public Works Complex Allocation | | 50% | 50% | ENR | SREV2 | 0 | 0 | 0 | 109,273 | 67,531 | 176,803 |
| 70 | Additional Project 36 | | 50% | 50% | ENR | SREV2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | Additional Project 37 | | 50% | 50% | ENR | SREV2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 | Additional Project 38 | | 50% | 50% | ENR | SREV2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | Additional Project 39 | | 50% | 50% | ENR | SREV2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | Total Sanitary Sewer Capital Improvement Projects | | | | | | \$3,098,188 | \$2,781,000 | \$5,224,933 | \$4,176,403 | \$4,626,967 | \$19,907,490 |
| 75 | Sanitary Sewer Departmental Capital Outlay | | 0% | 100% | Inflation | SREV1 | \$50,000 | \$51,150 | \$52,378 | \$53,635 | \$54,922 | \$262,084 |
| 76 | Total Sanitary Sewer Departmental Capital Outlay | | | | | | \$50,000 | \$51,150 | \$52,378 | \$53,635 | \$54,922 | \$262,084 |
| 77 | Total Sanitary Sewer Capital Improvement Projects | | | | | | \$3,148,188 | \$2,832,150 | \$5,277,310 | \$4,230,037 | \$4,681,889 | \$20,169,574 |
| 78 | Total Utility Fund Capital Improvement Program | | | | | | \$8,689,222 | \$8,136,230 | \$10,902,462 | \$13,708,954 | \$5,928,454 | \$47,365,322 |

Table 1-14
City of Hallandale Beach, Florida
Utility Rate Study

Projected Capital Funding Program [1]

| Line No. | Description | Project Number | System Allocation (%) | | Escalation Factor | Funding Source | Projected Fiscal Years Ending September 30, | | | | | |
|----------|--|----------------|-----------------------|-------|-------------------|----------------|---|-------------|--------------|--------------|-------------|--------------|
| | | | Water | Sewer | | | 2018 | 2019 | 2020 | 2021 | 2022 | Total |
| | FUNDING SOURCES | | | | | | | | | | | |
| 79 | Operating Reserves - Water System | | | | | W-OR | \$3,000,051 | \$1,127,850 | \$0 | \$956,136 | \$0 | \$5,084,037 |
| 80 | Operating Reserves - Wastewater System | | | | | S-OR | 0 | 0 | 0 | 0 | 0 | 0 |
| 81 | Renewal and Replacement Fund - Water System | | | | | W-RR | 0 | 824,000 | 636,540 | 655,636 | 675,305 | 2,791,481 |
| 82 | Renewal and Replacement Fund - Wastewater System | | | | | S-RR | 0 | 400,000 | 638,703 | 645,864 | 400,000 | 2,084,566 |
| 83 | Rate Revenue - Water System (Recurring Capital) | | | | | WREV1 | 60,000 | 61,380 | 62,853 | 64,362 | 65,906 | 314,501 |
| 84 | Rate Revenue - Water System (For all other lawful capital expenditures) | | | | | WREV2 | 2,480,983 | 3,290,850 | 812,649 | 2,147,209 | 505,353 | 9,237,044 |
| 85 | Rate Revenue - Wastewater System (Recurring Capital) | | | | | SREV1 | 50,000 | 51,150 | 52,378 | 53,635 | 54,922 | 262,084 |
| 86 | Rate Revenue - Wastewater System (For all other lawful capital expenditures) | | | | | SREV2 | 98,188 | 321,000 | 342,630 | 474,182 | 455,387 | 1,691,386 |
| 87 | Water Impact Fees | | | | | WCF | 0 | 0 | 0 | 2,000,000 | 0 | 2,000,000 |
| 88 | Wastewater Impact Fees | | | | | SCF | 526,376 | 0 | 0 | 0 | 0 | 526,376 |
| 89 | Other Funding Sources / Proportionate Share Revenues | | | | | Other | 2,473,624 | 2,060,000 | 4,243,600 | 3,056,357 | 3,771,580 | 15,605,161 |
| 90 | Sewer Expansion Construction Fund | | | | | Construction | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 | Additional Debt 1 | | | | | Debt1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 92 | Additional Debt 2 | | | | | Debt2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 | Additional Debt 3 | | | | | Debt3 | 0 | 0 | 4,113,109 | 3,655,574 | 0 | 7,768,684 |
| 94 | Additional Debt 4 | | | | | Debt4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | TOTAL FUNDING SOURCES | | | | | | \$8,689,222 | \$8,136,230 | \$10,902,462 | \$13,708,954 | \$5,928,454 | \$47,365,322 |

Footnotes:

[1] Amounts as provided by the City of Hallandale Beach, which were adjusted to anticipate increases in capital costs associated with inflation.

Table 1-15
City of Hallandale Beach, Florida
Utility Rate Study

Existing and Projected Debt Service Payments

| Line No. | Description | Projected Fiscal Year Ending September 30, | | | | |
|--------------------------------------|--|--|-----------|-----------|-----------|-----------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| EXISTING DEBT SERVICE [1] | | | | | | |
| <u>2012 Chase Bank Loan</u> | | | | | | |
| 1 | Total Annual Debt Service - Cash Basis | \$331,450 | \$326,800 | \$327,113 | \$327,350 | \$332,475 |
| 2 | Percent Allocated to Water System | 58.08% | 58.08% | 58.08% | 58.08% | 58.08% |
| 3 | Percent Allocated to Wastewater System | 20.96% | 20.96% | 20.96% | 20.96% | 20.96% |
| 4 | Percent Allocated to Stormwater System | 20.96% | 20.96% | 20.96% | 20.96% | 20.96% |
| 5 | Amount Allocated to Water System | \$192,506 | \$189,805 | \$189,987 | \$190,125 | \$193,101 |
| 6 | Amount Allocated to Wastewater System | \$69,472 | \$68,497 | \$68,563 | \$68,613 | \$69,687 |
| 7 | Amount Allocated to Stormwater System | \$69,472 | \$68,497 | \$68,563 | \$68,613 | \$69,687 |
| <u>2014 BB&T Bank Loan</u> | | | | | | |
| 8 | Total Annual Debt Service - Cash Basis | \$598,544 | \$602,013 | \$600,200 | \$603,106 | \$605,675 |
| 9 | Percent Allocated to Water System | 54.55% | 54.55% | 54.55% | 54.55% | 54.55% |
| 10 | Percent Allocated to Wastewater System | 11.36% | 11.36% | 11.36% | 11.36% | 11.36% |
| 11 | Percent Allocated to Stormwater System | 34.09% | 34.09% | 34.09% | 34.09% | 34.09% |
| 12 | Amount Allocated to Water System | \$326,506 | \$328,398 | \$327,409 | \$328,994 | \$330,396 |
| 13 | Amount Allocated to Wastewater System | \$67,995 | \$68,389 | \$68,183 | \$68,513 | \$68,805 |
| 14 | Amount Allocated to Stormwater System | \$204,044 | \$205,226 | \$204,608 | \$205,599 | \$206,475 |
| <u>Clean Water SRF Loan WW061720</u> | | | | | | |
| 15 | Total Annual Debt Service - Cash Basis | \$16,201 | \$32,402 | \$32,402 | \$32,402 | \$32,402 |
| 16 | Percent Allocated to Water System | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 17 | Percent Allocated to Wastewater System | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 18 | Percent Allocated to Stormwater System | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 19 | Amount Allocated to Water System | \$0 | \$0 | \$0 | \$0 | \$0 |
| 20 | Amount Allocated to Wastewater System | \$16,201 | \$32,402 | \$32,402 | \$32,402 | \$32,402 |
| 21 | Amount Allocated to Stormwater System | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL DEBT SERVICE - EXISTING DEBT | | | | | | |
| 22 | Amount Allocated to Water System | \$519,012 | \$518,203 | \$517,396 | \$519,119 | \$523,497 |
| 23 | Amount Allocated to Wastewater System | \$153,667 | \$169,288 | \$169,148 | \$169,527 | \$170,893 |
| 24 | Amount Allocated to Stormwater System | \$273,515 | \$273,723 | \$273,171 | \$274,211 | \$276,161 |
| 25 | Total Annual Debt Service | \$946,195 | \$961,215 | \$959,715 | \$962,858 | \$970,552 |
| 26 | Percent Allocated to Water System | 54.85% | 53.91% | 53.91% | 53.91% | 53.94% |
| 27 | Percent Allocated to Wastewater System | 16.24% | 17.61% | 17.62% | 17.61% | 17.61% |
| 28 | Percent Allocated to Stormwater System | 28.91% | 28.48% | 28.46% | 28.48% | 28.45% |
| 29 | Total | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Table 1-15
City of Hallandale Beach, Florida
Utility Rate Study

Existing and Projected Debt Service Payments

| Line No. | Description | Projected Fiscal Year Ending September 30, | | | | |
|---|--|--|---------|-----------|-----------|-----------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| <u>PROPOSED DEBT SERVICE - ADDITIONAL DEBT</u> | | | | | | |
| <u>Additional Debt 1</u> | | | | | | |
| 30 | Annual Principal Payment - Accrual | \$0 | \$0 | \$0 | \$0 | \$0 |
| 31 | Annual Interest Payment - Accrual | 0 | 0 | 0 | 0 | 0 |
| 32 | Total Annual Debt Service - Accrual | \$0 | \$0 | \$0 | \$0 | \$0 |
| 33 | Percent Allocated to Water System | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 34 | Percent Allocated to Wastewater System | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 35 | Percent Allocated to Stormwater System | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 36 | Amount Allocated to Water System | \$0 | \$0 | \$0 | \$0 | \$0 |
| 37 | Amount Allocated to Wastewater System | 0 | 0 | 0 | 0 | 0 |
| 38 | Amount Allocated to Stormwater System | 0 | 0 | 0 | 0 | 0 |
| <u>Additional Debt 2</u> | | | | | | |
| 39 | Annual Principal Payment | \$0 | \$0 | \$0 | \$0 | \$0 |
| 40 | Annual Interest Payment | 0 | 0 | 0 | 0 | 0 |
| 41 | Total Annual Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 |
| 42 | Percent Allocated to Water System | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 43 | Percent Allocated to Wastewater System | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 44 | Percent Allocated to Stormwater System | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 45 | Amount Allocated to Water System | \$0 | \$0 | \$0 | \$0 | \$0 |
| 46 | Amount Allocated to Wastewater System | 0 | 0 | 0 | 0 | 0 |
| 47 | Amount Allocated to Stormwater System | 0 | 0 | 0 | 0 | 0 |
| <u>Additional Debt 3</u> | | | | | | |
| 48 | Annual Principal Payment | \$0 | \$0 | \$421,477 | \$440,443 | \$460,263 |
| 49 | Annual Interest Payment | 0 | 0 | 394,200 | 375,234 | 355,414 |
| 50 | Total Annual Debt Service | \$0 | \$0 | \$815,677 | \$815,677 | \$815,677 |
| 51 | Percent Allocated to Water System | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 52 | Percent Allocated to Wastewater System | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 53 | Percent Allocated to Stormwater System | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 54 | Amount Allocated to Water System | \$0 | \$0 | \$815,677 | \$815,677 | \$815,677 |
| 55 | Amount Allocated to Wastewater System | 0 | 0 | 0 | 0 | 0 |
| 56 | Amount Allocated to Stormwater System | 0 | 0 | 0 | 0 | 0 |
| <u>Additional Debt 4</u> | | | | | | |
| 57 | Annual Principal Payment | \$0 | \$0 | \$0 | \$0 | \$0 |
| 58 | Annual Interest Payment | 0 | 0 | 0 | 0 | 0 |
| 59 | Total Annual Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 |
| 60 | Percent Allocated to Water System | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 61 | Percent Allocated to Wastewater System | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 62 | Percent Allocated to Stormwater System | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 63 | Amount Allocated to Water System | \$0 | \$0 | \$0 | \$0 | \$0 |
| 64 | Amount Allocated to Wastewater System | 0 | 0 | 0 | 0 | 0 |
| 65 | Amount Allocated to Stormwater System | 0 | 0 | 0 | 0 | 0 |

Table 1-15
City of Hallandale Beach, Florida
Utility Rate Study

Existing and Projected Debt Service Payments

| Line No. | Description | Projected Fiscal Year Ending September 30, | | | | |
|--|--|--|-----------|-------------|-------------|-------------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| <u>TOTAL DEBT SERVICE - PROPOSED DEBT</u> | | | | | | |
| 66 | Amount Allocated to Water System | \$0 | \$0 | \$815,677 | \$815,677 | \$815,677 |
| 67 | Amount Allocated to Wastewater System | 0 | 0 | 0 | 0 | 0 |
| 68 | Percent Allocated to Stormwater System | 0 | 0 | 0 | 0 | 0 |
| 69 | Total Annual Debt Service | \$0 | \$0 | \$815,677 | \$815,677 | \$815,677 |
| 70 | Percent Allocated to Water System | 0.00% | 0.00% | 100.00% | 100.00% | 100.00% |
| 71 | Percent Allocated to Wastewater System | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 72 | Percent Allocated to Stormwater System | 100.00% | 100.00% | 0.00% | 0.00% | 0.00% |
| <u>TOTAL DEBT SERVICE - EXISTING AND PROPOSED</u> | | | | | | |
| 73 | Amount Allocated to Water System | \$519,012 | \$518,203 | \$1,333,073 | \$1,334,796 | \$1,339,174 |
| 74 | Amount Allocated to Wastewater System | 153,667 | 169,288 | 169,148 | 169,527 | 170,893 |
| 75 | Amount Allocated to Stormwater System | 273,515 | 273,723 | 273,171 | 274,211 | 276,161 |
| 76 | Total Annual Debt Service | \$946,195 | \$961,215 | \$1,775,391 | \$1,778,535 | \$1,786,229 |
| 77 | Percent Allocated to Water System | 54.85% | 53.91% | 75.09% | 75.05% | 74.97% |
| 78 | Percent Allocated to Wastewater System | 16.24% | 17.61% | 9.53% | 9.53% | 9.57% |
| 79 | Percent Allocated to Stormwater System | 28.91% | 28.48% | 15.39% | 15.42% | 15.46% |

Footnotes:

[1] Payment schedules as provided by the City on a cash basis.

Table 1-16
City of Hallandale Beach, Florida
Utility Rate Study

Page 1 of 1

Projected Transfers to the Renewal and Replacement Fund

| Line No. | Description | Projected Fiscal Year Ending September 30, | | | | |
|----------|--|--|--------------|--------------|--------------|------------------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| 1 | PRIOR REVENUE YEAR | 2017 | 2018 | 2019 | 2020 | 2021 |
| | WATER SYSTEM [1] | | | | | |
| | <u>Sales Revenues</u> | | | | | |
| 2 | Total Prior Year Rate Revenues | \$9,914,869 | \$10,331,037 | \$10,489,344 | \$10,970,788 | \$11,455,693 |
| | <u>Other Revenues</u> | | | | | |
| 3 | Other Operating Revenues | \$896,571 | \$932,904 | \$1,351,093 | \$1,374,320 | \$1,342,514 |
| 4 | Interest Income | 14,526 | 38,000 | 29,000 | 25,000 | 23,000 |
| 5 | Total Other Revenues | \$911,097 | \$970,904 | \$1,380,093 | \$1,399,320 | \$1,365,514 |
| 6 | Total Water System Revenues | \$10,825,966 | \$11,301,941 | \$11,869,436 | \$12,370,107 | \$12,821,207 |
| | <u>Renewal and Replacement Fund</u> | | | | | |
| 7 | Prior Year Ending Balance | \$2,866,431 | \$2,866,431 | \$2,042,431 | \$1,405,891 | \$750,255 |
| 8 | Target Balance of 7.50% of Prior Year Revenues | \$811,947 | \$847,646 | \$890,208 | \$927,758 | \$961,591 |
| 9 | Additional Required Deposit | \$0 | \$0 | \$0 | \$0 | \$886,641 |
| 10 | Funding Deposit % (Prior Year Revenues) | 0.00% | 0.00% | 0.00% | 0.00% | 6.92% |
| 11 | Calculated Deposit | \$0 | \$0 | \$0 | \$0 | \$886,641 |
| 12 | Additional Adjustments | \$0 | \$0 | \$0 | \$0 | \$0 |
| 13 | Total Water Deposit | \$0 | \$0 | \$0 | \$0 | \$886,641 |
| | WASTEWATER SYSTEM [1] | | | | | |
| | <u>Sales Revenues</u> | | | | | |
| 14 | Total Prior Year Rate Revenues | \$12,129,359 | \$14,156,442 | \$14,387,507 | \$14,916,194 | \$15,437,619 |
| | <u>Other Revenues</u> | | | | | |
| 15 | Other Operating Revenues | \$214,684 | \$116,430 | \$116,430 | \$116,430 | \$116,430 |
| 16 | Interest Income | 19,905 | 15,000 | 15,000 | 15,000 | 15,000 |
| 17 | Total Other Revenues | \$234,590 | \$131,430 | \$131,430 | \$131,430 | \$131,430 |
| 18 | Total Wastewater System Revenues | \$12,363,949 | \$14,287,872 | \$14,518,937 | \$15,047,624 | \$15,569,049 |
| | <u>Renewal and Replacement Fund</u> | | | | | |
| 19 | Prior Year Ending Balance | \$3,384,801 | \$3,384,801 | \$2,984,801 | \$2,346,099 | \$1,700,235 |
| 20 | Target Balance of 7.50% of Prior Year Revenues | \$927,296 | \$1,071,590 | \$1,088,920 | \$1,128,572 | \$1,167,679 |
| 21 | Additional Required Deposit | \$0 | \$0 | \$0 | \$0 | \$0 |
| 22 | Funding Target | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 23 | Calculated Deposit | \$0 | \$0 | \$0 | \$0 | \$0 |
| 24 | Additional Deposits | \$0 | \$0 | \$0 | \$0 | \$0 |
| 25 | Total Wastewater Deposit | \$0 | \$0 | \$0 | \$0 | \$0 |
| 26 | TOTAL ANNUAL DEPOSIT | \$0 | \$0 | \$0 | \$0 | \$886,641 |

Footnotes:

[1] Amount of transfers derived from the Adopted Fiscal Year 2018 budget.

Table 1-17
City of Hallandale Beach, Florida
Utility Rate Study

Page 1 of 1

Projected Intergovernmental Transfers

| Line No. | Description | Budgeted 2018 | Escalation Factor | Projected Fiscal Year Ending September 30, | | | |
|------------------------------|--|---------------|-------------------|--|-----------|-----------|-----------|
| | | | | 2019 | 2020 | 2021 | 2022 |
| INTERGOVERNMENTAL TRANSFERS | | | | | | | |
| <u>Water System [1]</u> | | | | | | | |
| 1 | Transfers to General Liability | \$111,600 | Ins-Property | \$114,948 | \$118,396 | \$121,948 | \$125,607 |
| 2 | Total Transfers - Water System | \$111,600 | | \$114,948 | \$118,396 | \$121,948 | \$125,607 |
| <u>Wastewater System [1]</u> | | | | | | | |
| 3 | Transfers to General Liability | \$0 | Ins-Property | \$0 | \$0 | \$0 | \$0 |
| 4 | Total Transfers - Wastewater System | \$0 | | \$0 | \$0 | \$0 | \$0 |
| <u>Total Transfers</u> | | | | | | | |
| 5 | Transfers to General Liability | \$111,600 | | \$114,948 | \$118,396 | \$121,948 | \$125,607 |
| 6 | Total Transfers - Water and Wastewater Systems | \$111,600 | | \$114,948 | \$118,396 | \$121,948 | \$125,607 |

Footnotes:

[1] Amount of transfers derived from the Adopted Fiscal Year 2018 budget.

Table 1-18
City of Hallandale Beach, Florida
Utility Rate Study

Projected Water Revenue Requirements

| Line No. | Description | Projected Fiscal Year Ending September 30, | | | | |
|----------|--|--|----------------------|------------------|--------------------|------------------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| | Projected Operating Expenses & Administrative Charges | | | | | |
| 1 | Operating Expenses & Administrative Charges [1] | \$9,192,828 | \$9,177,956 | \$9,534,217 | \$9,964,076 | \$10,361,988 |
| 2 | Plus Additional Adjustments | 0 | 0 | 0 | 0 | 0 |
| 3 | Total Operating Expenses & Administrative Charges | \$9,192,828 | \$9,177,956 | \$9,534,217 | \$9,964,076 | \$10,361,988 |
| | <u>Other Revenue Requirements</u> | | | | | |
| | Debt Service [2] | | | | | |
| 4 | Existing Debt Service | \$519,012 | \$518,203 | \$517,396 | \$519,119 | \$523,497 |
| 5 | Proposed Debt Service | 0 | 0 | 815,677 | 815,677 | 815,677 |
| | Less: | | | | | |
| 6 | Amount Paid by Impact Fees | 0 | 0 | 0 | 0 | 0 |
| 7 | Total Debt Service | \$519,012 | \$518,203 | \$1,333,073 | \$1,334,796 | \$1,339,174 |
| 8 | Intragovernmental Administrative Transfers | \$111,600 | \$114,948 | \$118,396 | \$121,948 | \$125,607 |
| 9 | Transfer to Renewals & Replacement Fund [3] | 0 | 0 | 0 | 0 | 886,641 |
| 10 | Capital Funded from Rates [4] | 2,540,983 | 3,352,230 | 875,503 | 2,211,570 | 571,260 |
| 11 | Operating Reserves - Deposits to/(Uses of) | 0 | 0 | 0 | 0 | 0 |
| 12 | Total Other Revenue Requirements | \$3,171,595 | \$3,985,381 | \$2,326,972 | \$3,668,315 | \$2,922,681 |
| 13 | Gross Revenue Requirements | \$12,364,423 | \$13,163,337 | \$11,861,189 | \$13,632,391 | \$13,284,669 |
| | <u>Less Income and Funds from Other Sources</u> | | | | | |
| 14 | Other Operating Revenue [5] | \$932,904 | \$1,351,093 | \$1,374,320 | \$1,342,514 | \$1,515,687 |
| 15 | Unrestricted Interest Income [6] | 38,000 | 29,000 | 25,000 | 23,000 | 20,000 |
| 16 | Sub-total Income and Funds from Other Sources | \$970,904 | \$1,380,093 | \$1,399,320 | \$1,365,514 | \$1,535,687 |
| 17 | Net Revenue Requirements | \$11,393,519 | \$11,783,244 | \$10,461,870 | \$12,266,877 | \$11,748,982 |
| | Revenue from Water Rates | | | | | |
| 18 | Existing Rate Revenue [7] | \$10,331,037 | \$10,489,344 | \$10,651,250 | \$10,798,132 | \$10,998,774 |
| 19 | Prior Year Rate Adjustments | 0 | 0 | 0 | 323,900 | 669,800 |
| 20 | Total Rate Revenue Before Current Year Adjustment | \$10,331,037 | \$10,489,344 | \$10,651,250 | \$11,122,032 | \$11,668,574 |
| | <u>System-wide Rate Adjustments</u> | | | | | |
| 21 | Current Year Rate Adjustment | 0.00% | 0.00% | 3.00% | 3.00% | 3.00% |
| 22 | Effective Month | Oct. | Oct. | Oct. | Oct. | Oct. |
| 23 | % of Current Year Effective | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 24 | Total Revenue from Current Year Adjustments | \$0 | \$0 | \$319,538 | \$333,661 | \$350,057 |
| 25 | Cumulative Rate Adjustments | 0.00% | 0.00% | 3.00% | 6.09% | 9.27% |
| 26 | Total Revenue from Rates | \$10,331,037 | \$10,489,344 | \$10,970,788 | \$11,455,693 | \$12,018,631 |
| 27 | Projected Surplus/(Deficiency) | (\$1,062,482) | (\$1,293,901) | \$508,918 | (\$811,184) | \$269,649 |
| 28 | Surplus/(Deficiency) - Percent of Rate Revenues | (10.28%) | (12.34%) | 4.64% | (7.08%) | 2.24% |
| | <u>Projected Year-End Cash Balances</u> | | | | | |
| | | Projected Fiscal Year Ending September 30, | | | | |
| | Description | 2018 | 2019 | 2020 | 2021 | 2022 |
| 29 | Operating Fund - Unrestricted | \$9,056,208 | \$6,634,457 | \$7,143,375 | \$5,376,055 | \$5,645,703 |
| 30 | Reserve for Equipment - Unrestricted | 929,604 | 929,604 | 929,604 | 929,604 | 929,604 |
| 31 | Customer Deposits - Restricted | 1,829,462 | 1,829,462 | 1,829,462 | 1,829,462 | 1,829,462 |
| 32 | Renewal & Replacement Fund - Unrestricted | 2,866,431 | 2,042,431 | 1,405,891 | 750,255 | 961,591 |
| 33 | Future Construction Fund - Restricted | 0 | 0 | 3,655,574 | 0 | 0 |
| 34 | Impact Fee Fund - Restricted | 440,684 | 981,805 | 1,536,202 | 38,449 | 722,813 |
| 35 | Total Year-end Cash & Investments | \$15,122,388 | \$12,417,759 | \$16,500,108 | \$8,923,824 | \$10,089,172 |
| 36 | Unrestricted Cash Days of Revenue - Target | 120 | 120 | 120 | 120 | 120 |
| 37 | Unrestricted Cash Days of Revenue - Calculated | 454 | 334 | 315 | 225 | 229 |

Footnotes continued on the following page.

Table 1-18
City of Hallandale Beach, Florida
Utility Rate Study

Projected Water Revenue Requirements

Footnotes:

-
- [1] Amounts derived from Table 1-9.
 [2] Amounts derived from Table 1-15.
 [3] Amounts derived from Table 1-16.
 [4] Amounts derived from Table 1-14 to pay for capital equipment, improvements and extensions as follows:.

| | Fiscal Year Ending September 30, | | | | |
|---|----------------------------------|--------------------|------------------|--------------------|------------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenues to Fund Recurring Capital | \$60,000 | \$61,380 | \$62,853 | \$64,362 | \$65,906 |
| Revenues to Other Lawful Capital Expenditures | 2,480,983 | 3,290,850 | 812,649 | 2,147,209 | 505,353 |
| Total Capital Funded from Rates | <u>\$2,540,983</u> | <u>\$3,352,230</u> | <u>\$875,503</u> | <u>\$2,211,570</u> | <u>\$571,260</u> |

- [5] Amounts derived from Table 1-5.
 [6] Amounts derived from Table 1-21.
 [7] Amounts derived from Table 1-3.

Table 1-19
City of Hallandale Beach, Florida
Utility Rate Study

Projected Wastewater Revenue Requirements

| Line No. | Description | Projected Fiscal Year Ending September 30, | | | | |
|----------|--|--|------------------|------------------|------------------|------------------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| | Projected Operating Expenses & Administrative Charges | | | | | |
| 1 | Operating Expenses & Administrative Charges [1] | \$13,615,047 | \$13,785,999 | \$13,854,420 | \$13,881,718 | \$14,699,452 |
| 2 | Plus Additional Adjustments | 0 | 0 | 0 | 0 | 0 |
| 3 | Total Operating Expenses & Administrative Charges | \$13,615,047 | \$13,785,999 | \$13,854,420 | \$13,881,718 | \$14,699,452 |
| | <u>Other Revenue Requirements</u> | | | | | |
| | Debt Service [2] | | | | | |
| 4 | Existing Debt Service | \$153,667 | \$169,288 | \$169,148 | \$169,527 | \$170,893 |
| 5 | Proposed Debt Service | 0 | 0 | 0 | 0 | 0 |
| | Less: | | | | | |
| 6 | Amount Paid by Impact Fees | 0 | 0 | 0 | 0 | 0 |
| 7 | Total Debt Service | \$153,667 | \$169,288 | \$169,148 | \$169,527 | \$170,893 |
| 8 | Intragovernmental Administrative Transfers | \$0 | \$0 | \$0 | \$0 | \$0 |
| 9 | Transfer to Renewals & Replacement Fund [3] | 0 | 0 | 0 | 0 | 0 |
| 10 | Capital Funded from Rates [4] | 148,188 | 372,150 | 395,008 | 527,816 | 510,309 |
| 11 | Operating Reserves - Deposits to/(Uses of) | 0 | 0 | 0 | 0 | 0 |
| 12 | Total Other Revenue Requirements | \$301,856 | \$541,438 | \$564,155 | \$697,344 | \$681,202 |
| 13 | Gross Revenue Requirements | \$13,916,902 | \$14,327,437 | \$14,418,575 | \$14,579,061 | \$15,380,654 |
| | <u>Less Income and Funds from Other Sources</u> | | | | | |
| 14 | Other Operating Revenue [5] | \$116,430 | \$116,430 | \$116,430 | \$116,430 | \$116,430 |
| 15 | Unrestricted Interest Income [6] | 15,000 | 15,000 | 15,000 | 15,000 | 17,000 |
| 16 | Sub-total Income and Funds from Other Sources | \$131,430 | \$131,430 | \$131,430 | \$131,430 | \$133,430 |
| 17 | Net Revenue Requirements | \$13,785,472 | \$14,196,007 | \$14,287,145 | \$14,447,631 | \$15,247,224 |
| | Revenue from Wastewater Rates | | | | | |
| 18 | Existing Rate Revenue [7] | \$14,156,442 | \$14,387,507 | \$14,623,720 | \$14,838,120 | \$15,130,694 |
| 19 | Prior Year Rate Adjustments | 0 | 0 | 0 | 296,800 | 611,300 |
| 20 | Total Rate Revenue Before Current Year Adjustment | \$14,156,442 | \$14,387,507 | \$14,623,720 | \$15,134,920 | \$15,741,994 |
| | <u>Current Year Rate Adjustments</u> | | | | | |
| 21 | Current Year Rate Adjustment | 0.00% | 0.00% | 2.00% | 2.00% | 2.00% |
| | Effective Month | Oct. | Oct. | Oct. | Oct. | Oct. |
| 22 | % of Current Year Effective | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 23 | Total Revenue from Current Year Adjustments | \$0 | \$0 | \$292,474 | \$302,698 | \$314,840 |
| 24 | Cumulative Rate Adjustments | 0.00% | 0.00% | 2.00% | 4.04% | 6.12% |
| 25 | Total Revenue from Rates | \$14,156,442 | \$14,387,507 | \$14,916,194 | \$15,437,619 | \$16,056,833 |
| 26 | Projected Surplus/(Deficiency) | \$370,970 | \$191,499 | \$629,049 | \$989,988 | \$809,610 |
| 27 | Surplus/(Deficiency) - Percent of Rate Revenues | 2.62% | 1.33% | 4.22% | 6.41% | 5.04% |
| | <u>Projected Year-End Cash Balances</u> | | | | | |
| | Description | 2018 | 2019 | 2020 | 2021 | 2022 |
| 28 | Operating Fund | \$2,790,762 | \$2,982,261 | \$3,611,311 | \$4,601,298 | \$5,410,908 |
| 29 | Reserve for Equipment | 188,993 | 188,993 | 188,993 | 188,993 | 188,993 |
| 30 | Customer Deposits | 0 | 0 | 0 | 0 | 0 |
| 31 | Renewal & Replacement Fund | 3,384,801 | 2,984,801 | 2,346,099 | 1,700,235 | 1,300,235 |
| 32 | Future Construction Fund | 0 | 0 | 0 | 0 | 0 |
| 33 | Impact Fee Fund | 14,718 | 755,569 | 1,514,665 | 2,206,354 | 3,149,614 |
| 34 | Total Year-end Cash & Investments | \$6,379,273 | \$6,911,625 | \$7,661,068 | \$8,696,880 | \$10,049,749 |
| 35 | Unrestricted Cash Days of Revenue - Minimum Target | 120 | 120 | 120 | 120 | 120 |
| 36 | Unrestricted Cash Days of Revenue - Calculated | 164 | 156 | 150 | 153 | 157 |

Footnotes continued on the following page.

Table 1-19
City of Hallandale Beach, Florida
Utility Rate Study

Projected Wastewater Revenue Requirements

Footnotes:

-
- [1] Amounts derived from Table 1-10.
 [2] Amounts derived from Table 1-15.
 [3] Amounts derived from Table 1-16.
 [4] Amounts derived from Table 1-14 to pay for capital equipment, improvements and extensions as follows:.

| | Fiscal Year Ending September 30, | | | | |
|---|----------------------------------|---------------|---------------|---------------|---------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 |
| Revenues to Fund Recurring Capital | \$50,000 | \$51,150 | \$52,378 | \$53,635 | \$54,922 |
| Revenues to Other Lawful Capital Expenditures | 98,188 | 321,000 | 342,630 | 474,182 | 455,387 |
| Total Capital Funded from Rates | \$148,188 | \$372,150 | \$395,008 | \$527,816 | \$510,309 |

- [5] Amounts derived from Table 1-5.
 [6] Amounts derived from Table 1-22.
 [7] Amounts derived from Table 1-4.

Table 1-20
City of Hallandale Beach, Florida
Utility Rate Study

Projected Water and Wastewater Revenue Requirements

| Line No. | Description | Projected Fiscal Year Ending September 30, | | | | |
|----------|--|--|---------------|--------------|--------------|--------------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| | Projected Operating Expenses & Administrative Charges | | | | | |
| 1 | Operating Expenses & Administrative Charges | \$22,807,874 | \$22,963,955 | \$23,388,637 | \$23,845,794 | \$25,061,440 |
| 2 | Plus Additional Adjustments | 0 | 0 | 0 | 0 | 0 |
| 3 | Total Operating Expenses & Administrative Charges | \$22,807,874 | \$22,963,955 | \$23,388,637 | \$23,845,794 | \$25,061,440 |
| | <u>Other Revenue Requirements</u> | | | | | |
| | Debt Service | | | | | |
| 4 | Existing Debt Service | \$672,679 | \$687,491 | \$686,544 | \$688,647 | \$694,391 |
| 5 | Proposed Debt Service | 0 | 0 | 815,677 | 815,677 | 815,677 |
| | Less: | | | | | |
| 6 | Amount Paid by Impact Fees | 0 | 0 | 0 | 0 | 0 |
| 7 | Total Debt Service | \$672,679 | \$687,491 | \$1,502,220 | \$1,504,324 | \$1,510,068 |
| 8 | Intragovernmental Transfers | \$111,600 | \$114,948 | \$118,396 | \$121,948 | \$125,607 |
| 9 | Transfer to Renewals & Replacement Fund | 0 | 0 | 0 | 0 | 886,641 |
| 10 | Capital Funded from Rates | 2,689,171 | 3,724,380 | 1,270,510 | 2,739,386 | 1,081,568 |
| 11 | Operating Reserves - Deposits to/(Uses of) | 0 | 0 | 0 | 0 | 0 |
| 12 | Total Other Revenue Requirements | \$3,473,450 | \$4,526,819 | \$2,891,127 | \$4,365,658 | \$3,603,883 |
| 13 | Gross Revenue Requirements | \$26,281,325 | \$27,490,774 | \$26,279,764 | \$28,211,452 | \$28,665,323 |
| | <u>Less Income and Funds from Other Sources:</u> | | | | | |
| 14 | Other Operating Revenue | \$1,049,334 | \$1,467,523 | \$1,490,750 | \$1,458,944 | \$1,632,117 |
| 15 | Unrestricted Interest Income | 53,000 | 44,000 | 40,000 | 38,000 | 37,000 |
| 16 | Sub-total Income and Funds from Other Sources | \$1,102,334 | \$1,511,523 | \$1,530,750 | \$1,496,944 | \$1,669,117 |
| 17 | Net Revenue Requirements | \$25,178,991 | \$25,979,252 | \$24,749,014 | \$26,714,508 | \$26,996,206 |
| | Revenue from Water and Wastewater Rates | | | | | |
| 18 | Existing Rate Revenue | \$24,487,479 | \$24,876,850 | \$25,274,970 | \$25,636,252 | \$26,129,467 |
| 19 | Prior Year Rate Adjustments | 0 | 0 | 0 | 620,700 | 1,281,100 |
| | Total Rate Revenue Before Current | | | | | |
| 20 | Year Adjustment | \$24,487,479 | \$24,876,850 | \$25,274,970 | \$26,256,952 | \$27,410,567 |
| 21 | Total Revenue from Current Year Adjustments | \$0 | \$0 | \$612,012 | \$636,359 | \$664,897 |
| 22 | Total Revenue from Rates | \$24,487,479 | \$24,876,850 | \$25,886,982 | \$26,893,312 | \$28,075,464 |
| 23 | Combined Rate Adjustment | 0.00% | 0.00% | 2.42% | 2.42% | 2.43% |
| 24 | Projected Surplus/(Deficiency) | (\$691,512) | (\$1,102,401) | \$1,137,967 | \$178,803 | \$1,079,258 |
| 25 | Surplus/(Deficiency) - Percent of Rate Revenues | (2.82%) | (4.43%) | 4.40% | 0.66% | 3.84% |

Proposed Annual Rate and Bill Increases (System-wide)

| Description | Fiscal Year Ending September 30, | | | | |
|--|----------------------------------|------|------|------|------|
| | 2018 | 2019 | 2020 | 2021 | 2022 |
| 26 Water System (Includes Indexing Provision) | 0.0% | 0.0% | 3.0% | 3.0% | 3.0% |
| 27 Effective Month | Oct. | Oct. | Oct. | Oct. | Oct. |
| 28 Wastewater System (Includes Indexing Provision) | 0.0% | 0.0% | 2.0% | 2.0% | 2.0% |
| 29 Effective Month | Oct. | Oct. | Oct. | Oct. | Oct. |

Projected Year-End Cash Balances

| Description | Projected Fiscal Year Ending September 30, | | | | |
|---|--|--------------|--------------|--------------|--------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 |
| 30 Operating Fund | \$11,846,970 | \$9,616,719 | \$10,754,686 | \$9,977,353 | \$11,056,611 |
| 31 Reserve for Equipment | 1,118,597 | 1,118,597 | 1,118,597 | 1,118,597 | 1,118,597 |
| 32 Customer Deposits | 1,829,462 | 1,829,462 | 1,829,462 | 1,829,462 | 1,829,462 |
| 33 Renewal & Replacement Fund | 6,251,233 | 5,027,233 | 3,751,990 | 2,450,490 | 2,261,826 |
| 34 Future Construction Fund | 0 | 0 | 3,655,574 | 0 | 0 |
| 35 Impact Fee Fund | 455,401 | 1,737,374 | 3,050,867 | 2,244,803 | 3,872,426 |
| 36 Total Year-end Cash & Investments | \$21,501,662 | \$19,329,384 | \$24,161,176 | \$17,620,705 | \$20,138,921 |
| 37 Unrestricted Cash Days of Revenue - Minimum Target | 120 | 120 | 120 | 120 | 120 |
| 38 Unrestricted Cash Days of Revenue - Calculated | 286 | 231 | 220 | 184 | 188 |
| 39 Operating Fund Cash Days of Revenue - Calculated | 177 | 141 | 152 | 135 | 144 |

Table 1-20
City of Hallandale Beach, Florida
Utility Rate Study

Projected Water and Wastewater Revenue Requirements

| Line No. | Description | Projected Fiscal Year Ending September 30, | | | | |
|-------------|---|--|----------|----------|----------|----------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| | <u>Projected Debt Service Coverage</u> | | | | | |
| | <u>All-In Debt Service Coverage</u> | | | | | |
| 40 | Coverage - Calculated | 413.56% | 498.10% | 268.21% | 302.09% | 310.13% |
| 41 | Coverage - Minimum Target | 150.00% | 150.00% | 150.00% | 150.00% | 150.00% |
| | <u>Senior Lien Debt Service Coverage</u> | | | | | |
| 42 | Coverage - Calculated | 423.77% | 522.74% | 274.12% | 308.74% | 316.93% |
| 43 | Coverage - Minimum Target | 115.00% | 115.00% | 115.00% | 115.00% | 115.00% |
| | <u>Subordinate Lien Debt Service Coverage - General</u> | | | | | |
| 44 | Coverage - Calculated | 13119.31% | 8546.78% | 7898.51% | 9482.56% | 9892.83% |
| 45 | Coverage - Minimum Target | 115.00% | 115.00% | 115.00% | 115.00% | 115.00% |

Footnotes:

[1] Amounts derived from Table 1-18 and Table 1-19.

Table 1-21
City of Hallandale Beach, Florida
Utility Rate Study

Projected Available Water Fund Balances and Interest Earnings

| Line No. | Description | Interest Income | Fiscal Year Ending September 30, [1] | | | | |
|-----------------------|--|-----------------|--------------------------------------|-------------|-------------|-------------|-------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| OPERATING FUND | | (U) | | | | | |
| 1 | Beginning Balance | | \$13,118,741 | \$9,056,208 | \$6,634,457 | \$7,143,375 | \$5,376,055 |
| 2 | Transfers In - Rate Revenues | | 10,331,037 | 10,489,344 | 10,970,788 | 11,455,693 | 12,018,631 |
| 3 | Transfers In - Reserve for Equipment | | 0 | 0 | 0 | 0 | 0 |
| 4 | Transfers In - Payments from Wastewater | | 0 | 0 | 0 | 0 | 0 |
| 5 | Transfers Out - Net Revenue Requirements | | 11,393,519 | 11,783,244 | 10,461,870 | 12,266,877 | 11,748,982 |
| 6 | Transfers Out - Capital Improvements | | 3,000,051 | 1,127,850 | 0 | 956,136 | 0 |
| 7 | Transfers Out - Reserve for Equipment | | 0 | 0 | 0 | 0 | 0 |
| 8 | End of Year Transfers In (Out) | | 0 | 0 | 0 | 0 | 0 |
| 9 | Interest Rate | | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 10 | Interest Income | | 28,000 | 20,000 | 17,000 | 16,000 | 14,000 |
| | Recognition of Interest Earnings | | | | | | |
| 11 | in Revenue Requirements | | 28,000 | 20,000 | 17,000 | 16,000 | 14,000 |
| 12 | Ending Balance | | \$9,056,208 | \$6,634,457 | \$7,143,375 | \$5,376,055 | \$5,645,703 |
| 13 | Percent Allocable to Water System | | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 14 | Amount Allocable to Water System | | \$28,000 | \$20,000 | \$17,000 | \$16,000 | \$14,000 |
| 15 | Amount Allocable to Wastewater System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| RESERVE FOR EQUIPMENT | | (U) | | | | | |
| 16 | Beginning Balance | | \$929,604 | \$929,604 | \$929,604 | \$929,604 | \$929,604 |
| 17 | Transfers In | | 0 | 0 | 0 | 0 | 0 |
| 18 | Transfers Out | | 0 | 0 | 0 | 0 | 0 |
| 19 | Interest Rate | | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 20 | Interest Income | | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| | Recognition of Interest Earnings | | | | | | |
| 21 | in Revenue Requirements | | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| 22 | Ending Balance | | \$929,604 | \$929,604 | \$929,604 | \$929,604 | \$929,604 |
| 23 | Percent Allocable to Water System | | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 24 | Amount Allocable to Water System | | \$2,000 | \$2,000 | \$2,000 | \$2,000 | \$2,000 |
| 25 | Amount Allocable to Wastewater System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| CUSTOMER DEPOSITS | | (R) | | | | | |
| 26 | Beginning Balance | | \$1,829,462 | \$1,829,462 | \$1,829,462 | \$1,829,462 | \$1,829,462 |
| 27 | Transfers In | | 0 | 0 | 0 | 0 | 0 |
| 28 | Transfers Out | | 0 | 0 | 0 | 0 | 0 |
| 29 | Interest Rate | | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 30 | Interest Income | | 0 | 0 | 0 | 0 | 0 |
| | Recognition of Interest Earnings | | | | | | |
| 31 | in Revenue Requirements | | 0 | 0 | 0 | 0 | 0 |
| 32 | Ending Balance | | \$1,829,462 | \$1,829,462 | \$1,829,462 | \$1,829,462 | \$1,829,462 |
| 33 | Percent Allocable to Water System | | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 34 | Amount Allocable to Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 35 | Amount Allocable to Wastewater System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| SINKING FUND | | (U) | | | | | |
| | Sinking Fund Deposit: | | | | | | |
| 36 | Existing Debt | | \$519,012 | \$518,203 | \$517,396 | \$519,119 | \$523,497 |
| 37 | Proposed Debt | | 0 | 0 | 815,677 | 815,677 | 815,677 |
| 38 | Average Balance | | \$259,506 | \$259,102 | \$666,536 | \$667,398 | \$669,587 |
| 39 | Interest Rate | | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 40 | Interest Income | | \$1,000 | \$1,000 | \$2,000 | \$2,000 | \$2,000 |
| | Recognition of Interest Earnings | | | | | | |
| 41 | in Revenue Requirements | | 1,000 | 1,000 | 2,000 | 2,000 | 2,000 |
| 42 | Percent Allocable to Water System | | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 43 | Amount Allocable to Water System | | \$1,000 | \$1,000 | \$2,000 | \$2,000 | \$2,000 |
| 44 | Amount Allocable to Wastewater System | | \$0 | \$0 | \$0 | \$0 | \$0 |

Table 1-21
City of Hallandale Beach, Florida
Utility Rate Study

Projected Available Water Fund Balances and Interest Earnings

| Line No. | Description | Interest Income | Fiscal Year Ending September 30, [1] | | | | |
|----------|---|-----------------|--------------------------------------|-------------|-------------|-------------|-----------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| | RESERVE FOR RENEWAL & REPLACEMENT | (U) | | | | | |
| 45 | Beginning Balance | | \$2,866,431 | \$2,866,431 | \$2,042,431 | \$1,405,891 | \$750,255 |
| 46 | Transfers In | | 0 | 0 | 0 | 0 | 886,641 |
| 47 | Transfers In - Other | | 0 | 0 | 0 | 0 | 0 |
| 48 | Transfers Out - CIP | | 0 | 824,000 | 636,540 | 655,636 | 675,305 |
| 49 | Interest Rate | | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 50 | Interest Income | | 7,000 | 6,000 | 4,000 | 3,000 | 2,000 |
| | Recognition of Interest Earnings | | | | | | |
| 51 | in Revenue Requirements | | 7,000 | 6,000 | 4,000 | 3,000 | 2,000 |
| 52 | Ending Balance | | \$2,866,431 | \$2,042,431 | \$1,405,891 | \$750,255 | \$961,591 |
| 53 | Percent Allocable to Water System | | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 54 | Amount Allocable to Water System | | \$7,000 | \$6,000 | \$4,000 | \$3,000 | \$2,000 |
| 55 | Amount Allocable to Wastewater System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| | FUTURE CONSTRUCTION FUND | (R) | | | | | |
| 56 | Beginning Balance | | \$0 | \$0 | \$0 | \$3,655,574 | \$0 |
| 57 | Transfers In | | 0 | 0 | 7,768,684 | 0 | 0 |
| 58 | Transfers Out | | 0 | 0 | 4,113,109 | 3,655,574 | 0 |
| 59 | Interest Rate | | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 60 | Interest Income | | 0 | 0 | 0 | 0 | 0 |
| | Recognition of Interest Earnings | | | | | | |
| 61 | in Revenue Requirements | | 0 | 0 | 0 | 0 | 0 |
| 62 | Ending Balance | | \$0 | \$0 | \$3,655,574 | \$0 | \$0 |
| 63 | Percent Allocable to Water System | | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 64 | Amount Allocable to Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 65 | Amount Allocable to Wastewater System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| | IMPACT FEES | (R) | | | | | |
| 66 | Beginning Balance | | \$357,179 | \$440,684 | \$981,805 | \$1,536,202 | \$38,449 |
| 67 | Transfers In | | 82,504 | 539,121 | 551,397 | 500,247 | 683,364 |
| 68 | Transfers Out - CIP & Debt Service Payments | | 0 | 0 | 0 | 2,000,000 | 0 |
| 69 | Interest Rate | | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 70 | Interest Income | | 1,000 | 2,000 | 3,000 | 2,000 | 1,000 |
| | Recognition of Interest Earnings | | | | | | |
| 71 | in Revenue Requirements | | 0 | 0 | 0 | 0 | 0 |
| 72 | Ending Balance | | \$440,684 | \$981,805 | \$1,536,202 | \$38,449 | \$722,813 |
| 73 | Percent Allocable to Water System | | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 74 | Amount Allocable to Water System | | \$1,000 | \$2,000 | \$3,000 | \$2,000 | \$1,000 |
| 75 | Amount Allocable to Wastewater System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| | INTEREST INCOME | | | | | | |
| | Unrestricted | | | | | | |
| 76 | Water System | | \$38,000 | \$29,000 | \$25,000 | \$23,000 | \$20,000 |
| 77 | Wastewater System | | 0 | 0 | 0 | 0 | 0 |
| 78 | Total | | \$38,000 | \$29,000 | \$25,000 | \$23,000 | \$20,000 |
| | Connection Fee Fund | | | | | | |
| 79 | Water System | | \$1,000 | \$2,000 | \$3,000 | \$2,000 | \$1,000 |
| 80 | Wastewater System | | 0 | 0 | 0 | 0 | 0 |
| 81 | Total | | \$1,000 | \$2,000 | \$3,000 | \$2,000 | \$1,000 |
| | Construction Fund | | | | | | |
| 82 | Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 83 | Wastewater System | | 0 | 0 | 0 | 0 | 0 |
| 84 | Total | | \$0 | \$0 | \$0 | \$0 | \$0 |
| | TOTAL INTEREST INCOME | | | | | | |
| 85 | Water System | | \$39,000 | \$31,000 | \$28,000 | \$25,000 | \$21,000 |
| 86 | Wastewater System | | 0 | 0 | 0 | 0 | 0 |
| 87 | Total | | \$39,000 | \$31,000 | \$28,000 | \$25,000 | \$21,000 |

Notes:

[1] (U) = Interest Earnings unrestricted, assumed available to meet system expenditure requirements

(R) = Interest Earnings restricted, assumed not available to meet system expenditure requirements

Table 1-22
City of Hallandale Beach, Florida
Utility Rate Study

Projected Available Wastewater Fund Balances and Interest Earnings

| Line No. | Description | Interest Income | For the Fiscal Years Ending September 30, [1] | | | | |
|----------|--|-----------------|---|-------------|-------------|-------------|-------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| | OPERATING FUND | (U) | | | | | |
| 1 | Beginning Balance | | \$2,419,792 | \$2,790,762 | \$2,982,261 | \$3,611,311 | \$4,601,298 |
| 2 | Transfers In - Rate Revenues | | 14,156,442 | 14,387,507 | 14,916,194 | 15,437,619 | 16,056,833 |
| 3 | Transfers In - Reserve for Equipment | | 0 | 0 | 0 | 0 | 0 |
| 4 | Transfers Out - Net Revenue Requirements | | 13,785,472 | 14,196,007 | 14,287,145 | 14,447,631 | 15,247,224 |
| 5 | Transfers Out - Capital Improvements | | 0 | 0 | 0 | 0 | 0 |
| 6 | Transfers Out - Reserve for Equipment | | 0 | 0 | 0 | 0 | 0 |
| 7 | Transfers Out - Payments to Water System | | 0 | 0 | 0 | 0 | 0 |
| 8 | End of Year Transfers In (Out) | | 0 | 0 | 0 | 0 | 0 |
| 9 | Interest Rate | | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 10 | Interest Income | | 7,000 | 7,000 | 8,000 | 10,000 | 13,000 |
| | Recognition of Interest Earnings | | | | | | |
| 11 | in Revenue Requirements | | 7,000 | 7,000 | 8,000 | 10,000 | 13,000 |
| 12 | Ending Balance | | \$2,790,762 | \$2,982,261 | \$3,611,311 | \$4,601,298 | \$5,410,908 |
| 13 | Percent Allocable to Water System | | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 14 | Amount Allocable to Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 15 | Amount Allocable to Wastewater System | | \$7,000 | \$7,000 | \$8,000 | \$10,000 | \$13,000 |
| | RESERVE FOR EQUIPMENT | (U) | | | | | |
| 16 | Beginning Balance | | \$188,993 | \$188,993 | \$188,993 | \$188,993 | \$188,993 |
| 17 | Transfers In | | 0 | 0 | 0 | 0 | 0 |
| 18 | Transfers Out | | 0 | 0 | 0 | 0 | 0 |
| 19 | Interest Rate | | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 20 | Interest Income | | 0 | 0 | 0 | 0 | 0 |
| | Recognition of Interest Earnings | | | | | | |
| 21 | in Revenue Requirements | | 0 | 0 | 0 | 0 | 0 |
| 22 | Ending Balance | | \$188,993 | \$188,993 | \$188,993 | \$188,993 | \$188,993 |
| 23 | Percent Allocable to Water System | | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 24 | Amount Allocable to Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 25 | Amount Allocable to Wastewater System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| | CUSTOMER DEPOSITS | (R) | | | | | |
| 26 | Beginning Balance | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 27 | Transfers In | | 0 | 0 | 0 | 0 | 0 |
| 28 | Transfers Out | | 0 | 0 | 0 | 0 | 0 |
| 29 | Interest Rate | | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 30 | Interest Income | | 0 | 0 | 0 | 0 | 0 |
| | Recognition of Interest Earnings | | | | | | |
| 31 | in Revenue Requirements | | 0 | 0 | 0 | 0 | 0 |
| 32 | Ending Balance | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 33 | Percent Allocable to Water System | | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 34 | Amount Allocable to Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 35 | Amount Allocable to Wastewater System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| | SINKING FUND | (U) | | | | | |
| | Sinking Fund Deposit: | | | | | | |
| 36 | Existing Debt | | \$153,667 | \$169,288 | \$169,148 | \$169,527 | \$170,893 |
| 37 | Proposed Debt | | 0 | 0 | 0 | 0 | 0 |
| 38 | Average Balance | | \$76,834 | \$84,644 | \$84,574 | \$84,764 | \$85,447 |
| 39 | Interest Rate | | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 40 | Interest Income | | \$0 | \$0 | \$0 | \$0 | \$0 |
| | Recognition of Interest Earnings | | | | | | |
| 41 | in Revenue Requirements | | 0 | 0 | 0 | 0 | 0 |
| 42 | Percent Allocable to Water System | | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 43 | Amount Allocable to Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 44 | Amount Allocable to Wastewater System | | \$0 | \$0 | \$0 | \$0 | \$0 |

Table 1-22
City of Hallandale Beach, Florida
Utility Rate Study

Projected Available Wastewater Fund Balances and Interest Earnings

| Line No. | Description | Interest Income | For the Fiscal Years Ending September 30, [1] | | | | |
|----------|--|-----------------|---|-------------|-------------|-------------|-------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| | RESERVE FOR RENEWAL & REPLACEMENT | (U) | | | | | |
| 45 | Beginning Balance | | \$3,384,801 | \$3,384,801 | \$2,984,801 | \$2,346,099 | \$1,700,235 |
| 46 | Transfers In | | 0 | 0 | 0 | 0 | 0 |
| 47 | Transfers In - Other | | 0 | 0 | 0 | 0 | 0 |
| 48 | Transfers Out - CIP | | 0 | 400,000 | 638,703 | 645,864 | 400,000 |
| 49 | Interest Rate | | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 50 | Interest Income | | 8,000 | 8,000 | 7,000 | 5,000 | 4,000 |
| | Recognition of Interest Earnings | | | | | | |
| 51 | in Revenue Requirements | | 8,000 | 8,000 | 7,000 | 5,000 | 4,000 |
| 52 | Ending Balance | | \$3,384,801 | \$2,984,801 | \$2,346,099 | \$1,700,235 | \$1,300,235 |
| 53 | Percent Allocable to Water System | | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 54 | Amount Allocable to Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 55 | Amount Allocable to Wastewater System | | \$8,000 | \$8,000 | \$7,000 | \$5,000 | \$4,000 |
| | FUTURE CONSTRUCTION FUND | (R) | | | | | |
| 56 | Beginning Balance | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 57 | Transfers In | | 0 | 0 | 0 | 0 | 0 |
| 58 | Transfers Out | | 0 | 0 | 0 | 0 | 0 |
| 59 | Interest Rate | | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 60 | Interest Income (3) | | 0 | 0 | 0 | 0 | 0 |
| | Recognition of Interest Earnings | | | | | | |
| 61 | in Revenue Requirements | | 0 | 0 | 0 | 0 | 0 |
| 62 | Ending Balance | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 63 | Percent Allocable to Water System | | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 64 | Amount Allocable to Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 65 | Amount Allocable to Wastewater System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| | IMPACT FEES | (R) | | | | | |
| 66 | Beginning Balance | | \$435,430 | \$14,718 | \$755,569 | \$1,514,665 | \$2,206,354 |
| 67 | Transfers In | | 104,664 | 739,852 | 756,096 | 686,689 | 936,260 |
| 68 | Transfers Out - CIP & Debt Service Payments | | 526,376 | 0 | 0 | 0 | 0 |
| 69 | Interest Rate | | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 70 | Interest Income | | 1,000 | 1,000 | 3,000 | 5,000 | 7,000 |
| | Recognition of Interest Earnings | | | | | | |
| 71 | in Revenue Requirements | | 0 | 0 | 0 | 0 | 0 |
| 72 | Ending Balance | | \$14,718 | \$755,569 | \$1,514,665 | \$2,206,354 | \$3,149,614 |
| 73 | Percent Allocable to Water System | | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 74 | Amount Allocable to Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 75 | Amount Allocable to Wastewater System | | \$1,000 | \$1,000 | \$3,000 | \$5,000 | \$7,000 |
| | INTEREST INCOME | | | | | | |
| | Unrestricted | | | | | | |
| 76 | Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 77 | Wastewater System | | 15,000 | 15,000 | 15,000 | 15,000 | 17,000 |
| 78 | Total | | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$17,000 |
| | Connection Fee Fund | | | | | | |
| 79 | Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 80 | Wastewater System | | 1,000 | 1,000 | 3,000 | 5,000 | 7,000 |
| 81 | Total | | \$1,000 | \$1,000 | \$3,000 | \$5,000 | \$7,000 |
| | Construction Fund | | | | | | |
| 82 | Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 83 | Wastewater System | | 0 | 0 | 0 | 0 | 0 |
| 84 | Total | | \$0 | \$0 | \$0 | \$0 | \$0 |
| | TOTAL INTEREST INCOME | | | | | | |
| 85 | Water System | | \$0 | \$0 | \$0 | \$0 | \$0 |
| 86 | Wastewater System | | 16,000 | 16,000 | 18,000 | 20,000 | 24,000 |
| 87 | Total | | \$16,000 | \$16,000 | \$18,000 | \$20,000 | \$24,000 |

Notes:

- [1] (U) = Interest Earnings unrestricted, assumed available to meet system expenditure requirements
(R) = Interest Earnings restricted, assumed not available to meet system expenditure requirements

Table 1-23
City of Hallandale Beach, Florida
Utility Rate Study

Projected Debt Service Coverage

| Line No. | Description | Projected Fiscal Year Ending September 30, [1] | | | | |
|--|--|--|---------------------|---------------------|---------------------|---------------------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| <u>Projected Net Revenues</u> | | | | | | |
| Gross Revenues | | | | | | |
| | Sales Revenues | | | | | |
| 1 | Water - Existing Rate Revenues | \$10,331,037 | \$10,489,344 | \$10,651,250 | \$10,798,132 | \$10,998,774 |
| 2 | Wastewater - Existing Rate Revenues | 14,156,442 | 14,387,507 | 14,623,720 | 14,838,120 | 15,130,694 |
| 3 | Additional Rate Revenues - Water System | 0 | 0 | 319,538 | 657,561 | 1,019,857 |
| 4 | Additional Rate Revenues - Wastewater System | 0 | 0 | 292,474 | 599,498 | 926,140 |
| 5 | Total | \$24,487,479 | \$24,876,850 | \$25,886,982 | \$26,893,312 | \$28,075,464 |
| 6 | Other Operating Revenue | \$1,049,334 | \$1,467,523 | \$1,490,750 | \$1,458,944 | \$1,632,117 |
| 7 | Unrestricted Interest Income | 53,000 | 44,000 | 40,000 | 38,000 | 37,000 |
| 8 | Total Gross Revenues | \$25,589,813 | \$26,388,373 | \$27,417,731 | \$28,390,256 | \$29,744,581 |
| Operating Expenses | | | | | | |
| 9 | Water System | \$9,192,828 | \$9,177,956 | \$9,534,217 | \$9,964,076 | \$10,361,988 |
| 10 | Wastewater System | 13,615,047 | 13,785,999 | 13,854,420 | 13,881,718 | 14,699,452 |
| 11 | Plus Additional Adjustments | 0 | 0 | 0 | 0 | 0 |
| 12 | Total Operating Expenses | \$22,807,874 | \$22,963,955 | \$23,388,637 | \$23,845,794 | \$25,061,440 |
| 13 | Net Revenues | \$2,781,938 | \$3,424,418 | \$4,029,094 | \$4,544,462 | \$4,683,141 |
| <u>Annual Debt Service Payments</u> | | | | | | |
| Existing Debt Service | | | | | | |
| 14 | 2012 Chase Bank Loan | \$261,978 | \$258,303 | \$258,550 | \$258,737 | \$262,788 |
| 15 | 2014 BB&T Bank Loan | 394,500 | 396,786 | 395,592 | 397,507 | 399,200 |
| 16 | Clean Water SRF Loan WW061720 | 16,201 | 32,402 | 32,402 | 32,402 | 32,402 |
| 17 | Total Existing Debt Service | \$672,679 | \$687,491 | \$686,544 | \$688,647 | \$694,391 |
| Proposed Debt Service | | | | | | |
| 18 | Additional Debt 1 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 19 | Additional Debt 2 | 0 | 0 | 0 | 0 | 0 |
| 20 | Additional Debt 3 | 0 | 0 | 815,677 | 815,677 | 815,677 |
| 21 | Additional Debt 4 | 0 | 0 | 0 | 0 | 0 |
| 22 | Total Proposed Debt Service | \$0 | \$0 | \$815,677 | \$815,677 | \$815,677 |
| 23 | Total Annual Debt Service Payments | \$672,679 | \$687,491 | \$1,502,220 | \$1,504,324 | \$1,510,068 |
| <u>All-In Debt Service Coverage</u> | | | | | | |
| 24 | Net Revenues | \$2,781,938 | \$3,424,418 | \$4,029,094 | \$4,544,462 | \$4,683,141 |
| 25 | Debt Service Payment | 672,679 | 687,491 | 1,502,220 | 1,504,324 | 1,510,068 |
| 26 | Coverage - Calculated | 414% | 498% | 268% | 302% | 310% |
| 27 | Coverage - Minimum Target | 150% | 150% | 150% | 150% | 150% |
| <u>Senior Lien Debt Service Coverage</u> | | | | | | |
| 28 | Net Revenues | \$2,781,938 | \$3,424,418 | \$4,029,094 | \$4,544,462 | \$4,683,141 |
| 29 | Debt Service Payment | 656,478 | 655,089 | 1,469,818 | 1,471,922 | 1,477,666 |
| 30 | Coverage - Calculated | 424% | 523% | 274% | 309% | 317% |
| 31 | Coverage - Minimum Requirement | 115% | 115% | 115% | 115% | 115% |
| <u>Subordinate Lien Debt Service Coverage - General</u> | | | | | | |
| 32 | Net Revenues After Senior Lien Debt | \$2,125,460 | \$2,769,329 | \$2,559,276 | \$3,072,540 | \$3,205,476 |
| 33 | Debt Service Payment | 16,201 | 32,402 | 32,402 | 32,402 | 32,402 |
| 34 | Coverage - Calculated | 13,119% | 8,547% | 7,899% | 9,483% | 9,893% |
| 35 | Coverage - Minimum Requirement | 115% | 115% | 115% | 115% | 115% |

Table 1-23
City of Hallandale Beach, Florida
Utility Rate Study

Projected Debt Service Coverage

| Line No. | Description | Projected Fiscal Year Ending September 30, [1] | | | | |
|--|---|--|---------------|-------------|-------------|-------------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| <u>Other Lawful Sources and Uses of Funds</u> | | | | | | |
| <u>Sources of Cash</u> | | | | | | |
| 40 | Impact Fees used to Pay Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 |
| 41 | Uses of Reserves | 0 | 0 | 0 | 0 | 0 |
| 42 | Total Sources of Cash | \$0 | \$0 | \$0 | \$0 | \$0 |
| <u>Uses of cash</u> | | | | | | |
| 43 | Intragovernmental Transfers | \$111,600 | \$114,948 | \$118,396 | \$121,948 | \$125,607 |
| 44 | Transfer to Renewals and Replacements Fund | 0 | 0 | 0 | 0 | 886,641 |
| 45 | Capital Funded from Rates | 2,689,171 | 3,724,380 | 1,270,510 | 2,739,386 | 1,081,568 |
| 46 | Deposits to Reserves | 0 | 0 | 0 | 0 | 0 |
| 47 | Total Uses of Cash | \$2,800,771 | \$3,839,328 | \$1,388,907 | \$2,861,335 | \$2,093,816 |
| <u>Net Cash Flow</u> | | | | | | |
| 48 | Net Revenues Available for Debt Service | \$2,781,938 | \$3,424,418 | \$4,029,094 | \$4,544,462 | \$4,683,141 |
| 49 | Less Annual Debt Service Payments | (672,679) | (687,491) | (1,502,220) | (1,504,324) | (1,510,068) |
| 50 | Net Amount Available from Rates for Other Purposes | \$2,109,259 | \$2,736,927 | \$2,526,874 | \$3,040,138 | \$3,173,074 |
| 51 | Plus Other Sources of Cash | \$0 | \$0 | \$0 | \$0 | \$0 |
| 52 | Less Other Uses of Cash | (2,800,771) | (3,839,328) | (1,388,907) | (2,861,335) | (2,093,816) |
| 53 | Total Net Cash Flow - Increases to Cash (Decreases to Cash) | (\$691,512) | (\$1,102,401) | \$1,137,967 | \$178,803 | \$1,079,258 |

Footnotes:

[1] Amounts derived from Table 1-20.

Table 1-24
City of Hallandale Beach, Florida
Water System

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

| Line No. | Description | Residential Service for a 5/8" or 3/4" Meter | | | | | | | |
|---------------------------------|--|--|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| | | 0 Gallons | 2,000 Gallons | 4,000 Gallons | 5,000 Gallons | 10,000 Gallons | 15,000 Gallons | 25,000 Gallons | 50,000 Gallons |
| City of Hallandale Beach | | | | | | | | | |
| 1 | Existing Rates - Fiscal Year 2019 | \$ 19.76 | \$ 21.90 | \$ 24.18 | \$ 25.32 | \$ 32.77 | \$ 44.47 | \$ 67.87 | \$ 131.62 |
| 2 | Proposed Rates - Fiscal Year 2020 | 20.35 | 22.55 | 24.89 | 26.06 | 33.71 | 45.76 | 69.86 | 135.61 |
| Other Florida Utilities: | | | | | | | | | |
| 3 | Broward County | \$ 16.79 | \$ 19.95 | \$ 24.34 | \$ 27.15 | \$ 56.52 | \$ 93.92 | \$ 174.32 | \$ 375.32 |
| 4 | City of Coconut Creek | 17.33 | 25.91 | 36.05 | 41.90 | 76.55 | 140.90 | 277.45 | 638.45 |
| 5 | City of Cooper City | 12.21 | 18.27 | 24.33 | 27.36 | 44.86 | 67.06 | 118.41 | 264.16 |
| 6 | City of Coral Springs | 13.48 | 16.86 | 20.24 | 22.83 | 38.38 | 63.65 | 136.60 | 355.60 |
| 7 | City of Dania Beach | 14.55 | 22.73 | 30.91 | 35.00 | 67.70 | 102.03 | 183.73 | 387.98 |
| 8 | Town of Davie | 21.75 | 28.93 | 36.11 | 39.70 | 66.45 | 102.15 | 182.60 | 442.55 |
| 9 | City of Deerfield Beach | 15.00 | 20.30 | 25.60 | 28.25 | 45.58 | 65.01 | 105.31 | 206.06 |
| 10 | City of Fort Lauderdale | 7.56 | 12.20 | 19.64 | 24.76 | 52.94 | 91.68 | 197.58 | 511.08 |
| 11 | City of Hollywood | 6.76 | 13.20 | 20.49 | 26.93 | 63.22 | 109.66 | 222.50 | 504.58 |
| 12 | City of Lake Worth | 20.38 | 26.96 | 33.54 | 38.60 | 67.48 | 117.15 | 252.35 | 628.60 |
| 13 | City of Lauderhill | 11.64 | 15.14 | 18.64 | 21.32 | 39.50 | 68.72 | 132.32 | 291.32 |
| 14 | City of Margate | 12.31 | 19.67 | 27.03 | 30.71 | 52.75 | 75.70 | 131.00 | 291.75 |
| 15 | City of Miramar | 15.93 | 22.25 | 28.57 | 31.73 | 51.08 | 70.43 | 119.03 | 143.33 |
| 16 | City of North Lauderdale | 14.60 | 21.68 | 28.76 | 32.30 | 50.00 | 80.05 | 140.15 | 290.40 |
| 17 | City of Oakland Park | 15.19 | 28.27 | 42.15 | 49.49 | 88.31 | 131.35 | 225.75 | 461.75 |
| 18 | City of Pembroke Pines | 18.15 | 18.15 | 25.20 | 32.25 | 67.50 | 102.75 | 173.25 | 349.50 |
| 19 | City of Plantation | 13.93 | 17.89 | 21.85 | 23.83 | 41.65 | 67.39 | 136.64 | 373.99 |
| 20 | City of Pompano Beach | 14.00 | 18.88 | 23.76 | 26.20 | 38.40 | 55.10 | 101.50 | 264.75 |
| 21 | City of Sunrise | 20.87 | 29.05 | 37.23 | 41.32 | 61.77 | 82.22 | 123.12 | 247.17 |
| 22 | City of Tamarac | 11.77 | 15.31 | 19.44 | 21.80 | 38.40 | 64.21 | 126.51 | 282.26 |
| 23 | Village of Tequesta | 19.10 | 25.16 | 31.22 | 34.25 | 49.40 | 70.76 | 121.76 | 314.36 |
| 24 | City of Wilton Manors | 26.69 | 36.39 | 46.09 | 50.94 | 75.19 | 99.44 | 158.74 | 336.59 |
| 25 | Other Neighboring Florida Utilities' Average | \$ 15.45 | \$ 21.51 | \$ 28.24 | \$ 32.21 | \$ 56.07 | \$ 87.33 | \$ 160.94 | \$ 361.89 |
| 26 | Minimum | 6.76 | 12.20 | 18.64 | 21.32 | 38.38 | 55.10 | 101.50 | 143.33 |
| 27 | Maximum | 26.69 | 36.39 | 46.09 | 50.94 | 88.31 | 140.90 | 277.45 | 638.45 |

Footnotes:

- [1] Unless otherwise noted, amounts shown reflect residential rates in effect October 2017 and are exclusive of taxes or franchise fees, if any, and rates charged for inside the city service. All rates are as reported by the respective utility. This comparison is intended to show comparable charges for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility.

Table 1-25
City of Hallandale Beach, Florida
Wastewater System

Page 1 of 1

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

| Line No. | Description | Residential Service for a 5/8" or 3/4" Meter | | | | | | | |
|---------------------------------|--|--|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| | | 0 Gallons | 2,000 Gallons | 4,000 Gallons | 5,000 Gallons | 10,000 Gallons | 15,000 Gallons | 25,000 Gallons | 50,000 Gallons |
| City of Hallandale Beach | | | | | | | | | |
| 1 | Existing Rates - Fiscal Year 2019 | \$ 19.81 | \$ 27.91 | \$ 36.29 | \$ 40.48 | \$ 62.33 | \$ 86.58 | \$ 135.08 | \$ 262.83 |
| 2 | Proposed Rates - Fiscal Year 2020 | \$ 20.21 | \$ 28.47 | \$ 37.01 | \$ 41.28 | \$ 63.58 | \$ 88.33 | \$ 137.83 | \$ 268.08 |
| Other Florida Utilities: | | | | | | | | | |
| 3 | Broward County | \$ 19.88 | \$ 28.10 | \$ 36.32 | \$ 40.43 | \$ 60.98 | \$ 81.53 | \$ 81.53 | \$ 81.53 |
| 4 | City of Coconut Creek | 12.99 | 19.57 | 27.55 | 32.24 | 55.69 | 55.69 | 55.69 | 55.69 |
| 5 | City of Cooper City | 26.41 | 32.45 | 38.49 | 41.51 | 56.61 | 56.61 | 56.61 | 56.61 |
| 6 | City of Coral Springs | 22.26 | 30.74 | 39.22 | 43.46 | 64.66 | 85.86 | 128.26 | 234.26 |
| 7 | City of Dania Beach | 21.52 | 36.44 | 51.36 | 58.82 | 96.12 | 133.42 | 208.02 | 394.52 |
| 8 | Town of Davie | 38.97 | 53.01 | 67.05 | 74.07 | 109.17 | 144.27 | 144.27 | 144.27 |
| 9 | City of Deerfield Beach | 10.98 | 16.40 | 21.82 | 24.53 | 38.08 | 43.50 | 43.50 | 43.50 |
| 10 | City of Fort Lauderdale | 11.09 | 19.29 | 32.45 | 41.51 | 86.81 | 132.11 | 177.41 | 177.41 |
| 11 | City of Hollywood | 6.48 | 25.60 | 44.72 | 54.27 | 102.07 | 149.48 | 149.48 | 149.48 |
| 12 | City of Lake Worth | 13.62 | 21.86 | 30.10 | 34.22 | 54.82 | 63.06 | 63.06 | 63.06 |
| 13 | City of Lauderhill | 18.66 | 26.14 | 33.62 | 37.36 | 56.06 | 74.76 | 112.16 | 205.66 |
| 14 | City of Margate | 31.25 | 31.25 | 31.25 | 31.25 | 31.25 | 31.25 | 31.25 | 31.25 |
| 15 | City of Miramar | 18.65 | 27.53 | 36.41 | 40.85 | 63.05 | 85.25 | 129.65 | 240.65 |
| 16 | City of North Lauderdale | 26.45 | 34.77 | 43.09 | 47.25 | 68.05 | 88.85 | 130.45 | 234.45 |
| 17 | City of Oakland Park | 18.00 | 30.76 | 43.52 | 49.90 | 81.80 | 113.70 | 113.70 | 113.70 |
| 18 | City of Pembroke Pines | 23.23 | 23.23 | 30.28 | 37.33 | 72.58 | 107.83 | 178.33 | 354.58 |
| 19 | City of Plantation | 18.25 | 28.45 | 38.65 | 43.75 | 69.25 | 94.75 | 145.75 | 273.25 |
| 20 | City of Pompano Beach | 12.64 | 18.52 | 24.40 | 27.34 | 42.04 | 42.04 | 42.04 | 42.04 |
| 21 | City of Sunrise | 29.68 | 38.00 | 46.32 | 50.48 | 71.28 | 92.08 | 96.24 | 96.24 |
| 22 | City of Tamarac | 18.75 | 28.35 | 37.95 | 42.75 | 66.75 | 76.35 | 76.35 | 76.35 |
| 23 | Village of Tequesta | 22.75 | 22.75 | 22.75 | 22.75 | 22.75 | 22.75 | 22.75 | 22.75 |
| 24 | City of Wilton Manors | 11.44 | 26.38 | 41.32 | 48.79 | 86.14 | 123.49 | 123.49 | 123.49 |
| 25 | Other Neighboring Florida Utilities' Average | \$ 19.73 | \$ 28.16 | \$ 37.21 | \$ 42.04 | \$ 66.18 | \$ 86.30 | \$ 105.00 | \$ 146.12 |
| | Minimum | 6.48 | 16.40 | 21.82 | 22.75 | 22.75 | 22.75 | 22.75 | 22.75 |
| | Maximum | 38.97 | 53.01 | 67.05 | 74.07 | 109.17 | 149.48 | 208.02 | 394.52 |

[1] Unless otherwise noted, amounts shown reflect residential rates in effect October 2017 and are exclusive of taxes or franchise fees, if any, and reflect rates charged for inside the city service. All rates are as reported by the respective utility. This comparison is intended to show comparable charges for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility.

Table 1-26
City of Hallandale Beach, Florida
Water and Wastewater System

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

| Line No. | Description | Residential Service for a 5/8" or 3/4" Meter | | | | | | | |
|---------------------------------|--|--|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| | | 0 Gallons | 2,000 Gallons | 4,000 Gallons | 5,000 Gallons | 10,000 Gallons | 15,000 Gallons | 25,000 Gallons | 50,000 Gallons |
| City of Hallandale Beach | | | | | | | | | |
| 1 | Existing Rates - Fiscal Year 2019 | \$ 39.57 | \$ 49.81 | \$ 60.47 | \$ 65.80 | \$ 95.10 | \$ 131.05 | \$ 202.95 | \$ 394.45 |
| 2 | Proposed Rates - Fiscal Year 2020 | 40.56 | 51.02 | 61.90 | 67.34 | 97.29 | 134.09 | 207.69 | 403.69 |
| Other Florida Utilities: | | | | | | | | | |
| 3 | Broward County | \$ 36.67 | \$ 48.05 | \$ 60.66 | \$ 67.58 | \$ 117.50 | \$ 175.45 | \$ 255.85 | \$ 456.85 |
| 4 | City of Coconut Creek | 30.32 | 45.48 | 63.60 | 74.14 | 132.24 | 196.59 | 333.14 | 694.14 |
| 5 | City of Cooper City | 38.62 | 50.72 | 62.82 | 68.87 | 101.47 | 123.67 | 175.02 | 320.77 |
| 6 | City of Coral Springs | 35.74 | 47.60 | 59.46 | 66.29 | 103.04 | 149.51 | 264.86 | 589.86 |
| 7 | City of Dania Beach | 36.07 | 59.17 | 82.27 | 93.82 | 163.82 | 235.45 | 391.75 | 782.50 |
| 8 | Town of Davie | 60.72 | 81.94 | 103.16 | 113.77 | 175.62 | 246.42 | 326.87 | 586.82 |
| 9 | City of Deerfield Beach | 25.98 | 36.70 | 47.42 | 52.78 | 83.66 | 108.51 | 148.81 | 249.56 |
| 10 | City of Fort Lauderdale | 18.65 | 31.49 | 52.09 | 66.27 | 139.75 | 223.79 | 374.99 | 688.49 |
| 11 | City of Hollywood | 13.24 | 38.80 | 65.20 | 81.20 | 165.29 | 259.14 | 371.98 | 654.06 |
| 12 | City of Lake Worth | 34.00 | 48.82 | 63.64 | 72.82 | 122.30 | 180.21 | 315.41 | 691.66 |
| 13 | City of Lauderhill | 30.30 | 41.28 | 52.26 | 58.68 | 95.56 | 143.48 | 244.48 | 496.98 |
| 14 | City of Margate | 43.56 | 50.92 | 58.28 | 61.96 | 84.00 | 106.95 | 162.25 | 323.00 |
| 15 | City of Miramar | 34.58 | 49.78 | 64.98 | 72.58 | 114.13 | 155.68 | 248.68 | 383.98 |
| 16 | City of North Lauderdale | 41.05 | 56.45 | 71.85 | 79.55 | 118.05 | 168.90 | 270.60 | 524.85 |
| 17 | City of Oakland Park | 33.19 | 59.03 | 85.67 | 99.39 | 170.11 | 245.05 | 339.45 | 575.45 |
| 18 | City of Pembroke Pines | 41.38 | 41.38 | 55.48 | 69.58 | 140.08 | 210.58 | 351.58 | 704.08 |
| 19 | City of Plantation | 32.18 | 46.34 | 60.50 | 67.58 | 110.90 | 162.14 | 282.39 | 647.24 |
| 20 | City of Pompano Beach | 26.64 | 37.40 | 48.16 | 53.54 | 80.44 | 97.14 | 143.54 | 306.79 |
| 21 | City of Sunrise | 50.55 | 67.05 | 83.55 | 91.80 | 133.05 | 174.30 | 219.36 | 343.41 |
| 22 | City of Tamarac | 30.52 | 43.66 | 57.39 | 64.55 | 105.15 | 140.56 | 202.86 | 358.61 |
| 23 | Village of Tequesta | 41.85 | 47.91 | 53.97 | 57.00 | 72.15 | 93.51 | 144.51 | 337.11 |
| 24 | City of Wilton Manors | 38.13 | 62.77 | 87.41 | 99.73 | 161.33 | 222.93 | 282.23 | 460.08 |
| 25 | Other Neighboring Florida Utilities' Average | \$ 35.18 | \$ 49.67 | \$ 65.45 | \$ 74.25 | \$ 122.26 | \$ 173.63 | \$ 265.94 | \$ 508.01 |
| 26 | Minimum | 13.24 | 31.49 | 47.42 | 52.78 | 72.15 | 93.51 | 143.54 | 249.56 |
| 27 | Maximum | 60.72 | 81.94 | 103.16 | 113.77 | 175.62 | 259.14 | 391.75 | 782.50 |

[1] Unless otherwise noted, amounts shown reflect residential rates in effect October 2017 and are exclusive of taxes or franchise fees, if any, and reflect rates charged for inside the city service. All rates are as reported by the respective utility. This comparison is intended to show comparable charges for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility.

APPENDIX 1-A



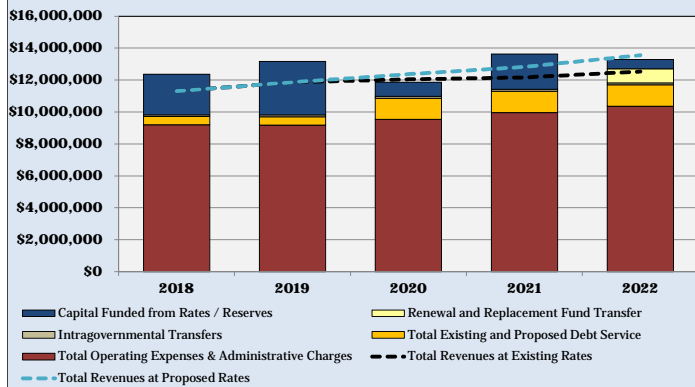
Appendix I
City of Hallandale Beach, Florida
Utility Rate Study



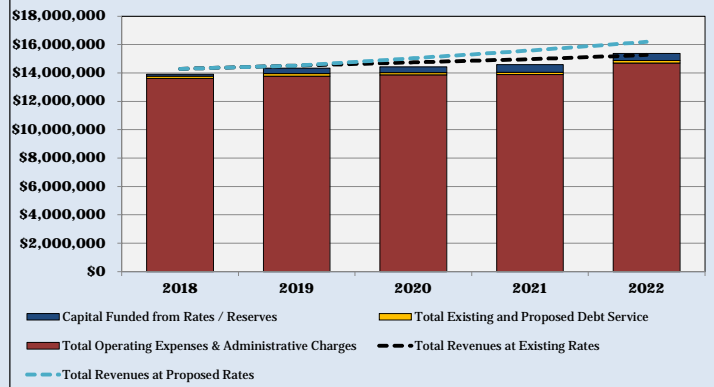
Water and Wastewater System Financial Dashboards and Performance Metrics

| Description | Fiscal Year Ending September 30th, | | | | | Description | Fiscal Year Ending September 30th, | | | | |
|--|------------------------------------|-------|-------|-------|-------|--|------------------------------------|---------------|-------------|-------------|-------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 | | 2018 | 2019 | 2020 | 2021 | 2022 |
| Recognized Revenue Adjustments: | | | | | | System Surplus / (Deficiency): | | | | | |
| Water Revenue Adjustment | 0.00% | 0.00% | 3.00% | 3.00% | 3.00% | Water Revenue Surplus / (Deficiency) | (\$1,062,482) | (\$1,293,901) | \$508,918 | (\$811,184) | \$269,649 |
| Effective Month of Increase | Oct. | Oct. | Oct. | Oct. | Oct. | Percent of Water Rate Revenues | -10.28% | -12.34% | 4.64% | -7.08% | 2.24% |
| Cumulative Rate Adjustment | 0.00% | 0.00% | 3.00% | 6.09% | 9.27% | Wastewater Revenue Surplus / (Deficiency) | 370,970 | 191,499 | 629,049 | 989,988 | 809,610 |
| Wastewater Revenue Adjustment | 0.00% | 0.00% | 2.00% | 2.00% | 2.00% | Percent of Wastewater Rate Revenues | 2.62% | 1.33% | 4.22% | 6.41% | 5.04% |
| Effective Month of Increase | Oct. | Oct. | Oct. | Oct. | Oct. | Combined Revenue Surplus / (Deficiency) | (\$691,512) | (\$1,102,401) | \$1,137,967 | \$178,803 | \$1,079,258 |
| Cumulative Rate Adjustment | 0.00% | 0.00% | 2.00% | 4.04% | 6.12% | Percent of Rate Revenues | (2.82%) | (4.43%) | 4.40% | 0.66% | 3.84% |
| Combined Revenue Adjustment | | | | | | Estimated Average Residential Bill: | | | | | |
| Combined Rate Adjustment | 0.00% | 0.00% | 2.42% | 2.42% | 2.43% | Average Water Bill @ 5,000 gal | \$25.32 | \$25.32 | \$26.08 | \$26.86 | \$27.67 |
| Cumulative Combined Rate Adjustment | 0.00% | 0.00% | 2.42% | 4.90% | 7.45% | Average Wastewater Bill @ 5,000 gal | 40.48 | 40.48 | 41.29 | 42.12 | 42.96 |
| | | | | | | Average Combined Bill @ 5,000 gal | \$65.80 | \$65.80 | \$67.37 | \$68.98 | \$70.63 |
| | | | | | | Monthly Increase - Total | N/A | \$0.00 | \$1.57 | \$1.61 | \$1.65 |

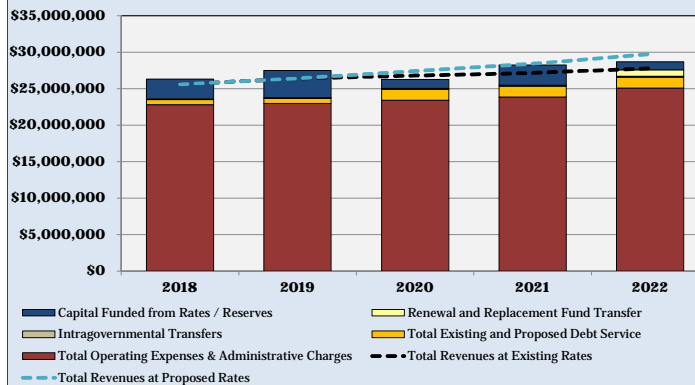
1-A) Projected Water Revenue Requirements



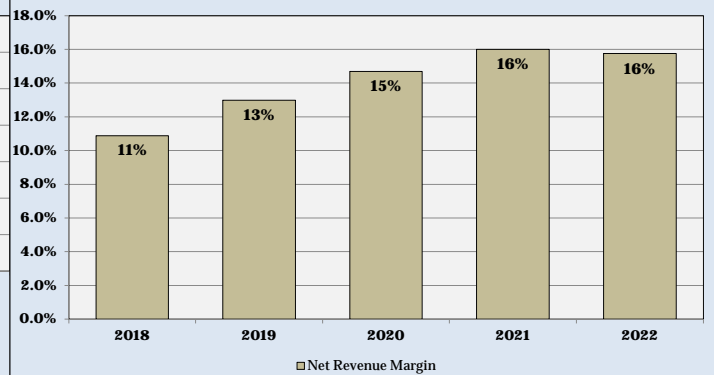
1-B) Projected Wastewater Revenue Requirements



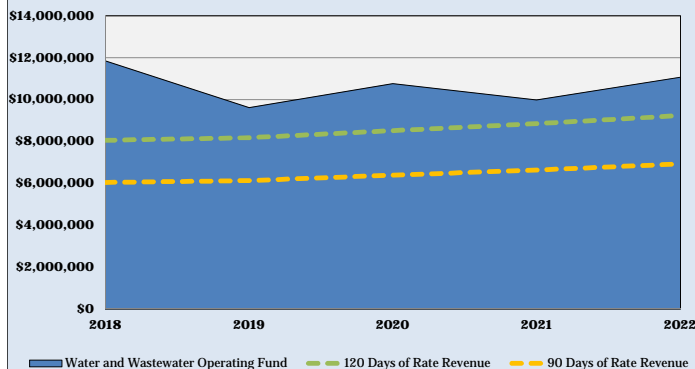
1-C) Projected Combined Revenue Requirements



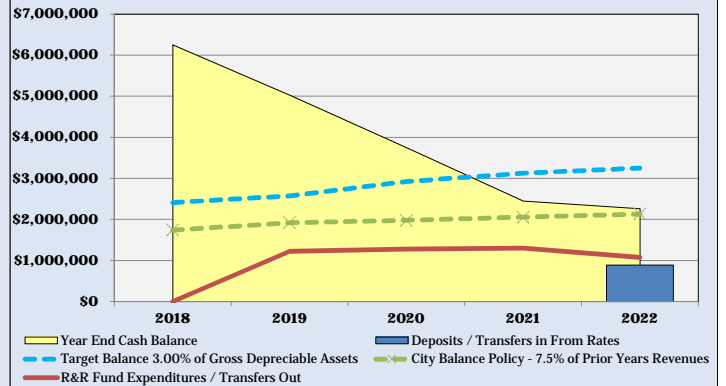
2) Net Revenue Margin



3) Operating Fund Ending Balance



4) Renewal and Replacement Fund Ending Balance





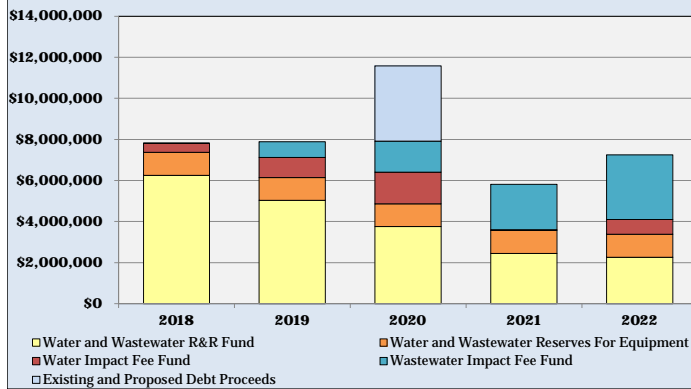
Appendix I
City of Hallandale Beach, Florida
Utility Rate Study



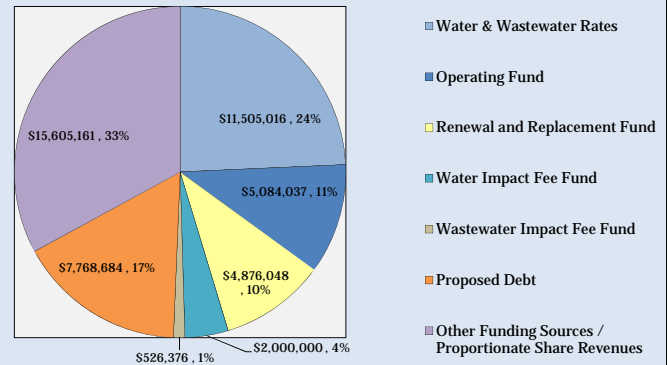
Water and Wastewater System Financial Dashboards and Performance Metrics

| Description | Fiscal Year Ending September 30th, | | | | | Description | Fiscal Year Ending September 30th, | | | | |
|--|------------------------------------|-------|-------|-------|-------|--|------------------------------------|---------------|-------------|-------------|-------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 | | 2018 | 2019 | 2020 | 2021 | 2022 |
| Recognized Revenue Adjustments: | | | | | | System Surplus / (Deficiency): | | | | | |
| Water Revenue Adjustment | 0.00% | 0.00% | 3.00% | 3.00% | 3.00% | Water Revenue Surplus / (Deficiency) | (\$1,062,482) | (\$1,293,901) | \$508,918 | (\$811,184) | \$269,649 |
| Effective Month of Increase | Oct. | Oct. | Oct. | Oct. | Oct. | Percent of Water Rate Revenues | -10.28% | -12.34% | 4.64% | -7.08% | 2.24% |
| Cumulative Rate Adjustment | 0.00% | 0.00% | 3.00% | 6.09% | 9.27% | Wastewater Revenue Surplus / (Deficiency) | 370,970 | 191,499 | 629,049 | 989,988 | 809,610 |
| | | | | | | Percent of Wastewater Rate Revenues | 2.62% | 1.33% | 4.22% | 6.41% | 5.04% |
| Wastewater Revenue Adjustment | 0.00% | 0.00% | 2.00% | 2.00% | 2.00% | Combined Revenue Surplus / (Deficiency) | (\$691,512) | (\$1,102,401) | \$1,137,967 | \$178,803 | \$1,079,258 |
| Effective Month of Increase | Oct. | Oct. | Oct. | Oct. | Oct. | Percent of Rate Revenues | (2.82%) | (4.43%) | 4.40% | 0.66% | 3.84% |
| Cumulative Rate Adjustment | 0.00% | 0.00% | 2.00% | 4.04% | 6.12% | Estimated Average Residential Bill: | | | | | |
| Combined Revenue Adjustment | | | | | | Average Water Bill @ 5,000 gal | \$25.32 | \$25.32 | \$26.08 | \$26.86 | \$27.67 |
| Combined Rate Adjustment | 0.00% | 0.00% | 2.42% | 2.42% | 2.43% | Average Wastewater Bill @ 5,000 gal | 40.48 | 40.48 | 41.29 | 42.12 | 42.96 |
| Cumulative Combined Rate Adjustment | 0.00% | 0.00% | 2.42% | 4.90% | 7.45% | Average Combined Bill @ 5,000 gal | \$65.80 | \$65.80 | \$67.37 | \$68.98 | \$70.63 |
| | | | | | | Monthly Increase - Total | N/A | \$0.00 | \$1.57 | \$1.61 | \$1.65 |

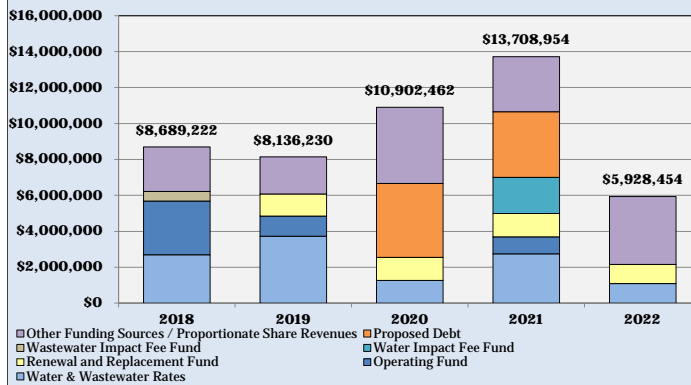
5) Capital Reserves Ending Balances



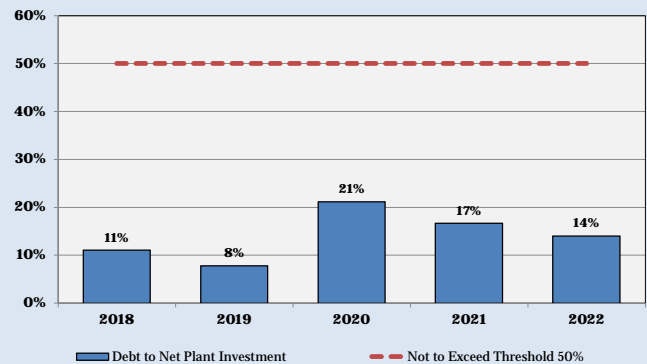
6) Capital Improvement Program Funding Plan



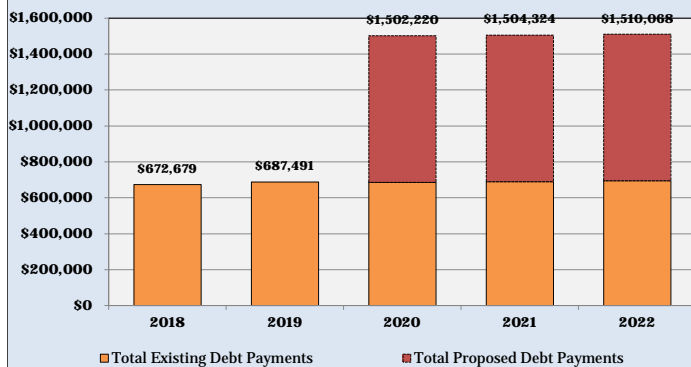
7) Capital Improvement Program Spending Plan



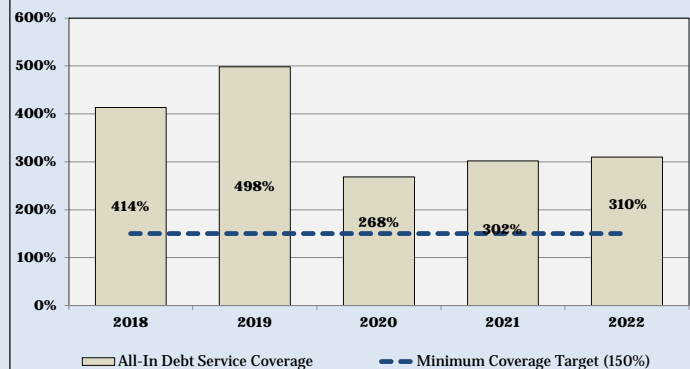
8) Debt To Net Plant Assets



9) Annual Debt Service Payments



10) All-In Debt Service Coverage





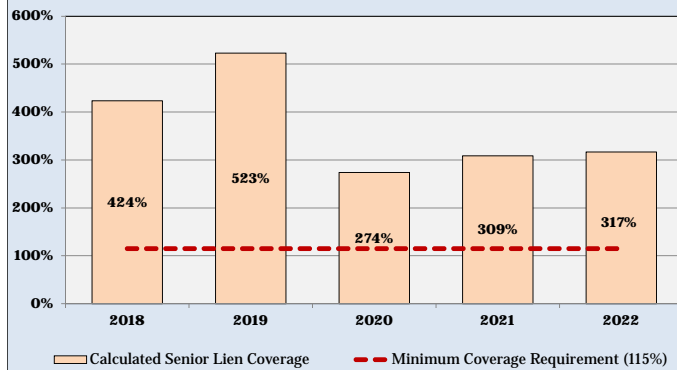
Appendix I
City of Hallandale Beach, Florida
Utility Rate Study



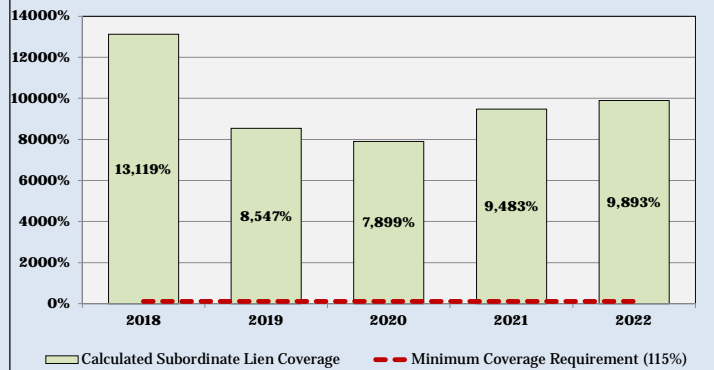
Water and Wastewater System Financial Dashboards and Performance Metrics

| Description | Fiscal Year Ending September 30th, | | | | | Description | Fiscal Year Ending September 30th, | | | | |
|--|------------------------------------|-------|-------|-------|-------|--|------------------------------------|---------------|-------------|-------------|-------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 | | 2018 | 2019 | 2020 | 2021 | 2022 |
| Recognized Revenue Adjustments: | | | | | | System Surplus / (Deficiency): | | | | | |
| Water Revenue Adjustment | 0.00% | 0.00% | 3.00% | 3.00% | 3.00% | Water Revenue Surplus / (Deficiency) | (\$1,062,482) | (\$1,293,901) | \$508,918 | (\$811,184) | \$269,649 |
| Effective Month of Increase | Oct. | Oct. | Oct. | Oct. | Oct. | Percent of Water Rate Revenues | -10.28% | -12.34% | 4.64% | -7.08% | 2.24% |
| Cumulative Rate Adjustment | 0.00% | 0.00% | 3.00% | 6.09% | 9.27% | Wastewater Revenue Surplus / (Deficiency) | 370,970 | 191,499 | 629,049 | 989,988 | 809,610 |
| | | | | | | Percent of Wastewater Rate Revenues | 2.62% | 1.33% | 4.22% | 6.41% | 5.04% |
| Wastewater Revenue Adjustment | 0.00% | 0.00% | 2.00% | 2.00% | 2.00% | Combined Revenue Surplus / (Deficiency) | (\$691,512) | (\$1,102,401) | \$1,137,967 | \$178,803 | \$1,079,258 |
| Effective Month of Increase | Oct. | Oct. | Oct. | Oct. | Oct. | Percent of Rate Revenues | (2.82%) | (4.43%) | 4.40% | 0.66% | 3.84% |
| Cumulative Rate Adjustment | 0.00% | 0.00% | 2.00% | 4.04% | 6.12% | Estimated Average Residential Bill: | | | | | |
| Combined Revenue Adjustment | | | | | | Average Water Bill @ 5,000 gal | \$25.32 | \$25.32 | \$26.08 | \$26.86 | \$27.67 |
| Combined Rate Adjustment | 0.00% | 0.00% | 2.42% | 2.42% | 2.43% | Average Wastewater Bill @ 5,000 gal | 40.48 | 40.48 | 41.29 | 42.12 | 42.96 |
| Cumulative Combined Rate Adjustment | 0.00% | 0.00% | 2.42% | 4.90% | 7.45% | Average Combined Bill @ 5,000 gal | \$65.80 | \$65.80 | \$67.37 | \$68.98 | \$70.63 |
| | | | | | | Monthly Increase - Total | N/A | \$0.00 | \$1.57 | \$1.61 | \$1.65 |

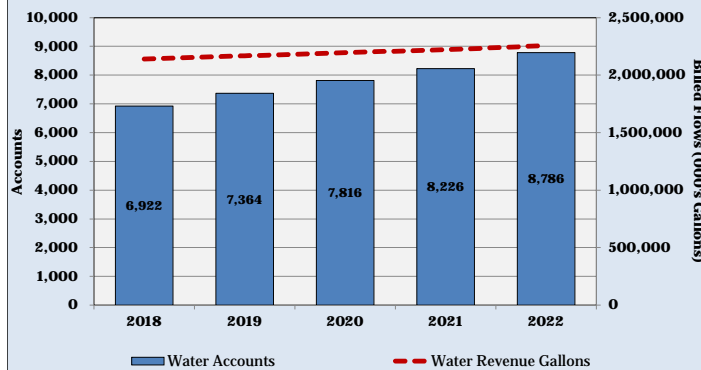
11) Senior Lien Debt Service Coverage



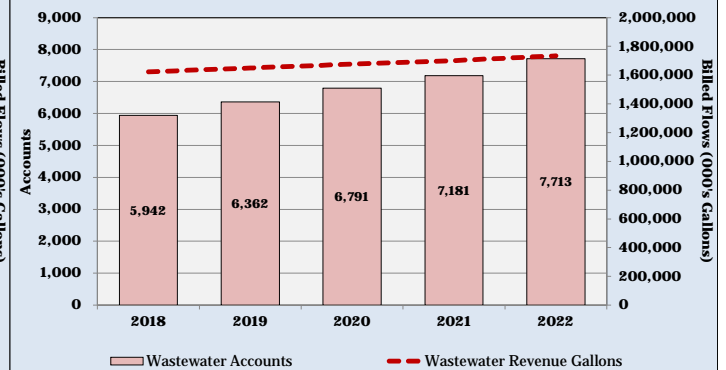
12) Subordinate Lien Debt Service Coverage



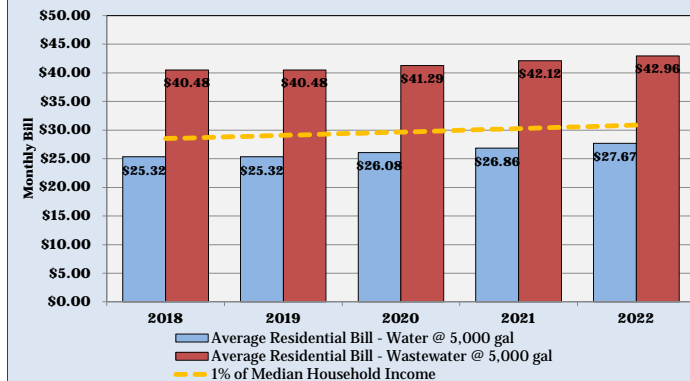
13) Projected Water Customers & Sales



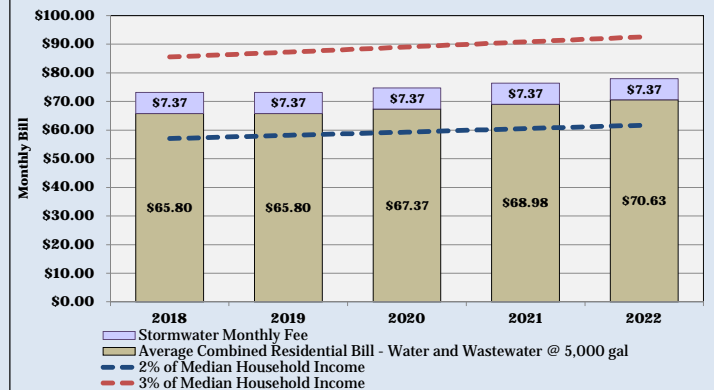
14) Projected Wastewater Customers & Sales



15) Monthly Bill and Affordability



16) Combined Monthly Bill and Affordability



SECTION 2

STORMWATER SYSTEM

CITY OF HALLANDALE BEACH, FLORIDA

WATER, WASTEWATER AND STORMWATER UTILITY RATE STUDY

SECTION 2 – STORMWATER SYSTEM

INTRODUCTION

The purpose of this section is to summarize the development of proposed stormwater rates sufficient to recover the projected cost of operating, maintaining, repairing, and financing the stormwater system through Fiscal Year 2022. As outlined herein, no stormwater rate adjustments are proposed in order to support the revenue requirements projected for the stormwater system. Based on the forecasted operating results, the City can meet the projected stormwater system revenue requirements (i.e., expenditures) for Fiscal Years 2018 through 2022 with the no rate adjustments over the Forecast Period as shown below:

| | Proposed Stormwater User Rate Adjustments [*] | | | | |
|-------------------|---|--------|--------|--------|--------|
| | 2018 | 2019 | 2020 | 2021 | 2022 |
| Stormwater System | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| Effective Date | Oct. 1 | Oct. 1 | Oct. 1 | Oct. 1 | Oct. 1 |

[*] Amounts derived from Table 2-10 at the end of this section.

The reason that no rate adjustment is required, as shown above, is that the City recently implemented a 120% rate increase prior to the rate study. These rates were effective starting Fiscal Year 2018.

The recommendations of this study are based on a financial forecast developed for the stormwater system and this section discusses the primary study assumptions, considerations, goals and recommendations. The study began with the identification of utility operating and capital needs, next considered the capital financing plan and, finally, established the timing of rate adjustments and borrowing, if necessary. The financial forecast serves as the basis for the rate recommendations for Fiscal Years 2018 through 2022 (the "Forecast Period").

REVENUE FORECAST

The City of Hallandale Beach has recently been experiencing low customer growth within its stormwater system; however, there are opportunities to extend service to new properties, which the City is actively pursuing. The City has developed a Downtown Activity Center Program based on the expansion of stormwater facilities into new areas. Based on the information provided by the City and discussions with the City staff, it is estimated that approximately 5,628 ERUs (which averages about 2.5% growth per year) will be added to the system by Fiscal Year 2022.

Based on the proposed Fiscal Year 2018 Budget along with existing rates, the City anticipates collecting approximately \$4.5 million in stormwater rate revenues. As shown in the table below

and in Table 2-1 at the end of this section, the following summarizes the projected rate revenues anticipated under existing rates:

| Projected Rate Revenues Under Existing Rates [*] | | | | | |
|---|--|-------------|-------------|-------------|-------------|
| Description | Projected Fiscal Year Ending September 30, | | | | |
| | 2018 | 2019 | 2020 | 2021 | 2022 |
| Stormwater System | \$4,515,631 | \$4,554,721 | \$4,594,696 | \$4,630,957 | \$4,680,483 |

[*] Amounts derived from Table 2-1.

The City also derives other income from the stormwater system operations such as penalties and certain other miscellaneous charges. The City budgets this income annually, and our analysis assumed that such revenues and income as summarized in Table 2-1 at the end of this section would remain generally level in future years.

REVENUE REQUIREMENTS

The various expenditures associated with operating and maintaining a municipally owned stormwater system, as well as the cost of financing capital expenditures and the maintenance and replacement of vehicles and equipment, are generally referred to as the stormwater revenue requirements. The sum of these cost components, after adjusting for other income and miscellaneous utility revenues, represents the net revenue requirements to be collected from monthly user rates. The revenue requirements for this rate analysis are predicated on an analysis of stormwater costs for the five (5) year Forecast Period ending September 30, 2022.

PRINCIPAL ASSUMPTIONS AND CONSIDERATIONS

The projected cash revenue requirements for the stormwater system are shown in Table 2-10 at the end of this section. The projected revenue requirements reflect certain assumptions, considerations and analyses as follows:

1. As shown in Table 2-2 at the end of this section, the adopted Fiscal Year 2018 Budget associated with the operations of the stormwater system served as the basis for the system's expenditure projections. Unless otherwise noted, the underlying assumptions and expenditure amounts included therein were assumed to be reasonable and reflect anticipated operations.
2. The operations and maintenance expenses of the stormwater system proposed for Fiscal Year 2018 were projected for the remaining four (4) years of the Forecast Period (i.e., through Fiscal Year 2022) as illustrated in Table 2-3 at the end of this section. The following summarizes the general cost escalation factors used to project future expenses that are summarized in Table 2-3 at the end of this section:
 - a. Labor-Related Increases = 3.0% annually.
 - b. Health Insurance = 10.0% annually.
 - c. Professional / Contractual Services = 3.0% annually.

- d. Utility and Fuel Costs = 5.0% annually.
- e. Repairs and Maintenance Expenses = 3.0% annually.
- f. Costs assumed to be based on projected changes in the CPI = approximately 2.4% per year as represented in "The Budget and Economic Outlook: An Update" published by the Congressional Budget Office in June 2017.

Also included in the expense projections are the costs associated with the hiring of two (2) new Public Service Workers for approximately \$58,000 per year each. The first of these is anticipated for 2020 and the second for 2022.

- 2. The capital expenditures for the stormwater system are based on estimated project costs derived from the City's capital improvement plan or CIP, which also includes the current year (Fiscal Year 2018) through Fiscal Year 2022. Table 2-5 at the end of this section provides a detailed listing of the planned stormwater capital projects during the Forecast Period.
- 3. The following table summarizes the anticipated funding sources used to fund the CIP as derived from Table 2-5:

| Summary of Capital Funding Sources [*] | | |
|---|---------------------|-------------|
| Description | Amount | Percent |
| Rate Revenues | \$12,776,979 | 97.2% |
| Grant Funding/Other | 365,217 | 2.8% |
| Total Funding Sources | <u>\$13,142,196</u> | <u>100%</u> |

[*] Amounts derived from Table 2-5.

- 4. In order to meet the funding needs of the capital plan, the City will be applying for Community Development Block Grants from the Department of Housing and Urban Development. Based on discussions with the City staff, grant funding is anticipated to fund approximately \$365,217 or 2.8% of the CIP through Fiscal Year 2022.
- 5. In order to develop a reserve account for capital needs and capital contingencies the stormwater system will begin depositing a percentage of the prior year's annual revenues to a renewal and replacement account during the Forecast Period. These funds will be used for funding of ongoing capital needs as well as for unforeseen emergencies. A baseline target minimum balance of 7.5% of prior year revenues was set for the fund to be consistent with the City's water system's target. An additional target balance was set equal to 3.0% of gross depreciable assets. As shown on Table 2-7, the funding of capital reserves as a percentage of annual revenues is assumed to begin at 5% and increase to 10% by 2022. The annual deposit would be approximately \$105,000 in 2018 increasing to \$468,000 by 2022.
- 6. Based on the proposed Fiscal Year 2018 Budget, the stormwater system will transfer \$10,500 to the General Liability Self Insurance Fund. As shown in Table 2-8 at the end of

this section, this amount is funded during each year of the Forecast Period for approximately \$11,150 per year on average.

7. The stormwater system has debt requiring annual principal and interest payments of approximately \$275,000 per year. Such debt is comprised of two senior lien bank notes. The JP Morgan Chase Revenue Note 2012 for approximately \$69,000 per year which matures in 2022 and the BB&T 2014 Refunding Loan for approximately \$206,000 per year which matures in 2025. No new additional debt is assumed for the Forecast Period.
8. The stormwater system should have adequate cash reserves in order to meet day-to-day funding needs and any unexpected emergencies requiring immediate financial resources. Based on discussions with the City staff, a financial target of at least 120 days of annual revenues was established for the operating fund since the utility is capital-intensive and must be able to cover storm damage or emergency expenditures. Additionally, the City plans to maintain a minimum target balance of 7.5% of prior year revenues and an average target balance of 3.0% of gross depreciable assets for the renewal and replacement fund. The following tabulation, which is derived from Tables 2-10 at the end of this section, summarizes the projected cash balances for each fiscal year of the Forecast Period based on maintaining the existing stormwater rate levels as recommended herein:

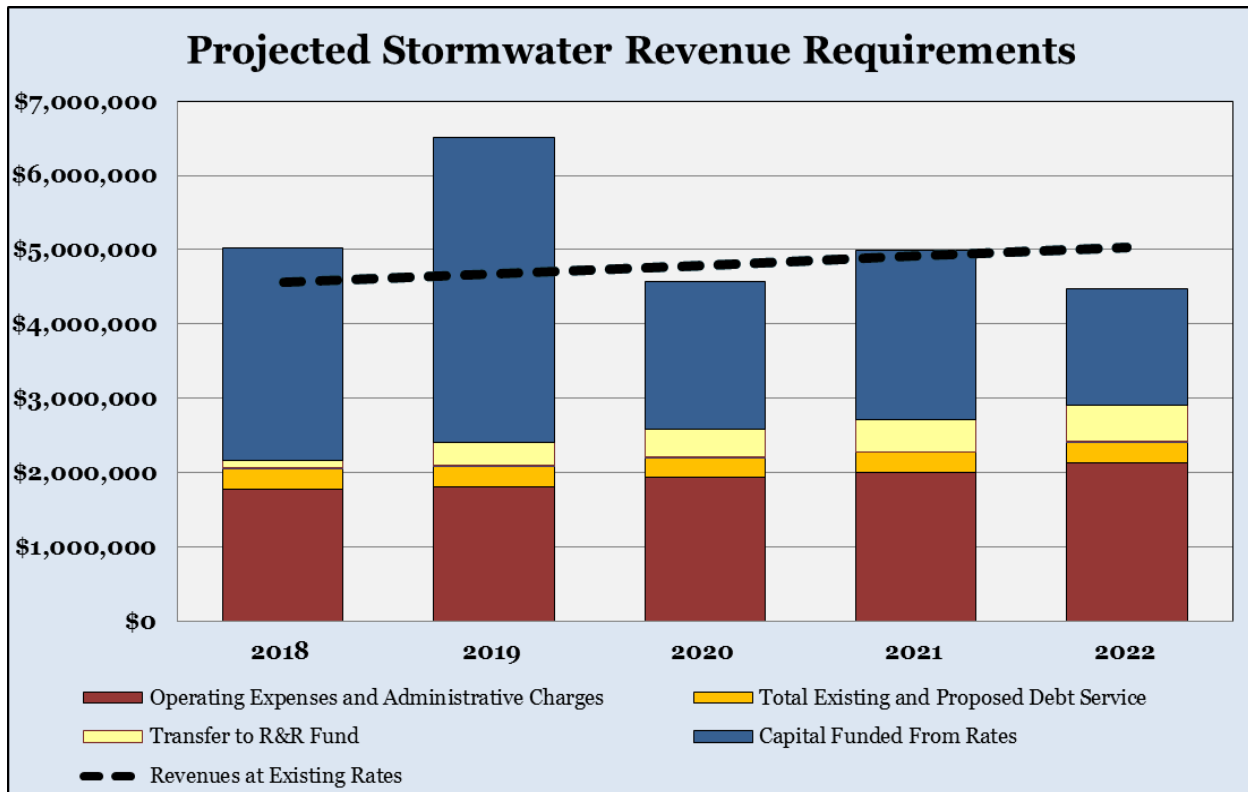
| Projected Year-Ending Cash Balances at Proposed Rates [*] | | | | | |
|--|--|--------------------|--------------------|--------------------|--------------------|
| Description | Projected Fiscal Year Ending September 30, | | | | |
| | 2018 | 2019 | 2020 | 2021 | 2022 |
| Operating Fund | \$3,426,007 | \$1,519,279 | \$1,587,737 | \$1,296,549 | \$1,569,396 |
| Renewal and Replacement Fund | 105,000 | 425,000 | 793,000 | 1,211,000 | 1,679,000 |
| Total Cash Balances | <u>\$3,531,007</u> | <u>\$1,944,276</u> | <u>\$2,380,737</u> | <u>\$2,507,549</u> | <u>\$3,248,396</u> |
| Operating Fund Calculated – | | | | | |
| Days of Annual Revenues | 277 | 122 | 126 | 102 | 122 |
| Target – Days of Annual Revenues | 120 | 120 | 120 | 120 | 120 |

[*] Amounts derived from Table 2-10.

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STORMWATER SYSTEM REVENUE REQUIREMENTS SUMMARY

The projected net revenue requirements through Fiscal Year 2022 for the City's stormwater system funded from user rates are summarized below:

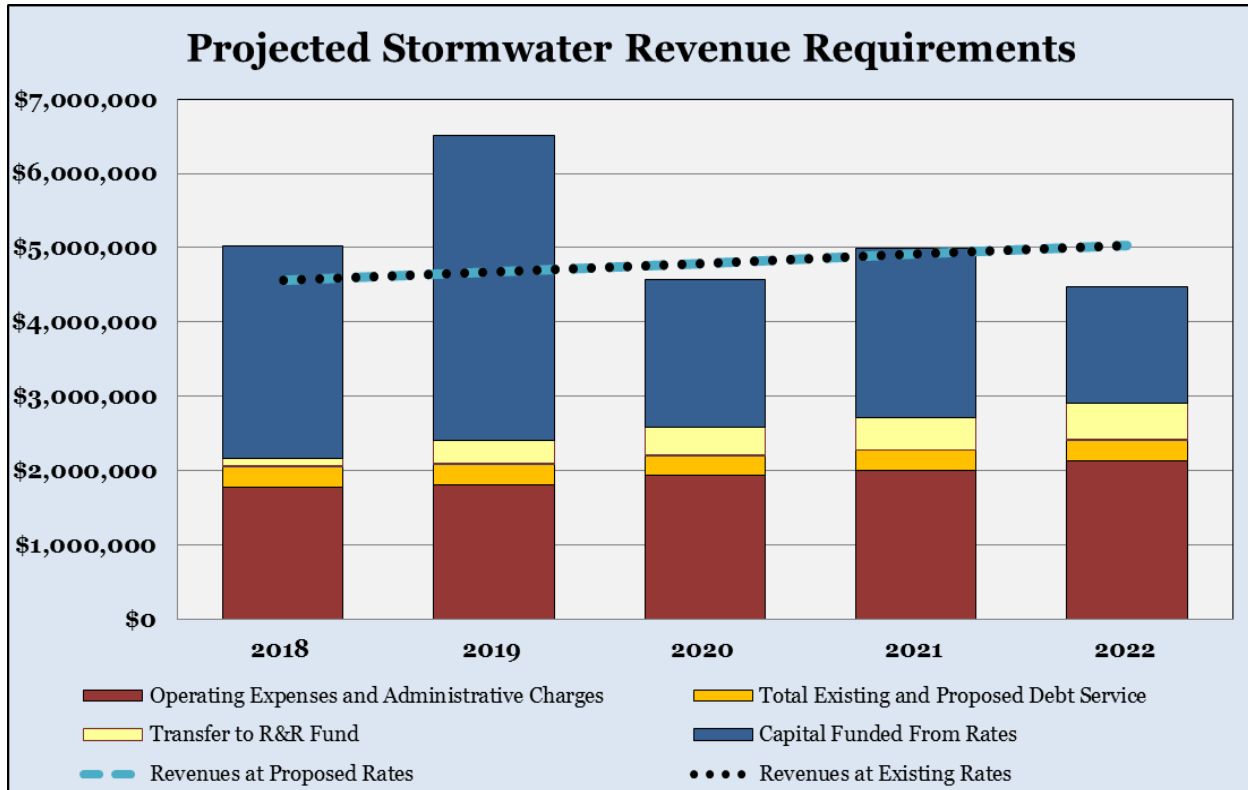


As can be seen in the summary above, the estimated net revenue requirements for the five (5) years beginning with the Fiscal Year 2018 are anticipated to decrease by approximately 3.0% per year or approximately \$143,000 per year on average due to the decreases in the capital funding program.

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ADEQUACY OF EXISTING UTILITY RATE REVENUES

As shown in Table 2-10 at the end of this section, based on the projected revenues for the stormwater system and the assumptions and considerations set forth herein with respect to estimated revenue requirements, the projected rate revenue surpluses and deficiencies for the Forecast Period are anticipated to be as follows:



As shown above for the stormwater system, no rate increases are proposed for bills rendered on or after October 1, 2018. It is estimated that existing revenues would meet the projected net revenue requirements of the stormwater system by Fiscal Year 2020.

DEBT SERVICE COMPLIANCE

In addition to funding the net revenue requirements (i.e., expenditure requirements), the proposed stormwater rates must be sufficient to meet the debt service coverage requirements of the City's existing and proposed debt. The City's outstanding senior lien loan agreements require the City to maintain rates adequate to achieve a minimum 1.15 debt service coverage ratio on senior lien debt. The debt service coverage ratio is calculated as a ratio of gross system revenues less the sum of operating expenses and required transfers to debt service payments. Based on the adoption of the proposed rate increases (rates at existing levels), the City is anticipated to be in compliance with the rate covenants as shown in Table 2-11 at the end of this section.

PROPOSED RESIDENTIAL STORMWATER RATES AND COMPARISONS

In accordance with the rate design guidelines, ERU forecast, projected net revenue requirements, and discussions with City staff, Raftelis recommended maintaining the existing rate levels as described in the Executive Summary. The existing charges are higher than average when compared to neighboring stormwater systems based on the comparison shown in Table 2-12 at the end of this section and summarized as follows:

| Comparison of Residential Stormwater Rates [*] | | |
|--|----------------|---------------|
| Description | Monthly Amount | Annual Amount |
| Existing Rates | \$7.37 | \$88.44 |
| Proposed Rates – 2020 | 7.37 | 88.44 |
| Increase/(Decrease) | 0.00 | 0.00 |
| Other Florida Utilities Average [*] | \$6.40 | \$76.84 |

[*] Based on a survey of 22 other Florida systems as shown in Table 2-12.

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**City of Hallandale Beach, Florida
Stormwater Utility Rate Study**



List of Tables and Appendices

| <u>Table Number</u> | <u>Table Description</u> |
|---------------------|--|
| 2-1 | Projected Operating and Non-Operating Revenues |
| 2-2 | Fiscal Year 2018 Budgeted Stormwater Operating Expenses |
| 2-3 | Projected Stormwater Operating Expenses |
| 2-4 | Summary of System Expense Escalation Factors |
| 2-5 | Projected Capital Improvement Program Funding Plan |
| 2-6 | Projection of Existing and Proposed Debt Service Payments |
| 2-7 | Projected Transfer to Renewal and Replacement Fund |
| 2-8 | Projected Intergovernmental Transfers |
| 2-9 | Projected Fund Balances & Interest Income |
| 2-10 | Development of Net Revenue Requirements from Rates |
| 2-11 | Projected Debt Service Coverage |
| 2-12 | Comparison of Monthly Residential Stormwater Rates |
| Appendix 2 | Stormwater System Financial Dashboards and Performance Metrics |

Table 2-1
City of Hallandale Beach, Florida
Utility Rate Study

Projected Operating and Non-Operating Revenues

| Line No. | Object Code | Description | Adopted [1] | Adjustments | Adjusted | Escalation Reference [2] | Projected Fiscal Year Ending September 30, | | | |
|----------|-------------|--|--------------------|-------------------|--------------------|--------------------------|--|--------------------|--------------------|--------------------|
| | | | 2018 | | 2018 | | 2019 | 2020 | 2021 | 2022 |
| | | Stormwater Operating & Non-operating Revenues | | | | | | | | |
| | | Operating Revenues | | | | | | | | |
| 1 | 343317 | Stormwater Drainage Fees | \$4,515,631 | \$0 | \$4,515,631 | Calculated | \$4,554,721 | \$4,594,696 | \$4,630,957 | \$4,680,483 |
| 2 | | Total Operating Revenues | <u>\$4,515,631</u> | <u>\$0</u> | <u>\$4,515,631</u> | | <u>\$4,554,721</u> | <u>\$4,594,696</u> | <u>\$4,630,957</u> | <u>\$4,680,483</u> |
| | | Non-operating Revenues | | | | | | | | |
| 3 | 343503 | Stormwater Penalties | \$17,780 | 0 | 17,780 | Constant | \$17,780 | \$17,780 | \$17,780 | \$17,780 |
| | | Admin Charge - Transportation Fund | 0 | 0 | 0 | Constant | 0 | 0 | 0 | 0 |
| 4 | 349643 | Admin Charge - Water Fund | 10,052 | 0 | 10,052 | Personnel | 10,354 | 10,664 | 10,984 | 11,314 |
| 5 | 349645 | Admin Charge - Sewer Fund | 11,489 | 0 | 11,489 | Personnel | 11,834 | 12,189 | 12,554 | 12,931 |
| 6 | 337361 | Pembroke PK-I-95 Lift Station | 0 | 0 | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 7 | 361100 | Interest Income - Main Pool | 10,000 | (10,000) | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 8 | 369990 | Miscellaneous Revenues - Other | 0 | 0 | 0 | Constant | 0 | 0 | 0 | 0 |
| 9 | 389100 | Appropriations from Unappropriated Surplus - O&M | 0 | 0 | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 10 | 390100 | Reappropriation of Fund Balance | 0 | 0 | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 11 | 385400 | Gain on Bond Refunding | 0 | 0 | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 12 | 383600 | Capital Contributions | 0 | 0 | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 13 | | Use of Reserves | 0 | 0 | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 14 | | Total Non-operating Revenues | <u>\$49,321</u> | <u>(\$10,000)</u> | <u>\$39,321</u> | | <u>\$39,967</u> | <u>\$40,633</u> | <u>\$41,318</u> | <u>\$42,025</u> |
| 15 | | Total Stormwater Operating and Non-operating Revenues | <u>\$4,564,952</u> | <u>(\$10,000)</u> | <u>\$4,554,952</u> | | <u>\$4,594,689</u> | <u>\$4,635,329</u> | <u>\$4,672,275</u> | <u>\$4,722,508</u> |

Footnotes:

[1] Amounts reflect the adopted revenues for Fiscal Year 2018 as provided by City staff.

[2] Escalation reference and amounts derived from Table 2-4.

Table 2-2
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Stormwater Operating Expenses

| Line No. | Department Code | Object Code | Project Code | Description | Budget 2018 | Adjustments | Adjusted 2018 |
|----------|-----------------|-------------|--------------|----------------------------------|------------------|-----------------|------------------|
| | 3660 | | | Stormwater Management | | | |
| | | | | <u>Personnel Services</u> | | | |
| 1 | 3660 | 512000 | | Regular Salaries and Wages | \$407,779 | \$0 | \$407,779 |
| 2 | 3660 | AddPer | | Additional Personnel | \$0 | 0 | 0 |
| 3 | 3660 | 513000 | | Other Salaries and Wages | 16,640 | 0 | 16,640 |
| 4 | 3660 | 514000 | | Overtime Pay | 14,500 | 0 | 14,500 |
| 5 | 3660 | 515150 | | Auto and Travel Allowances | 0 | 0 | 0 |
| 6 | 3660 | 515250 | | Payouts - Civil Service | 0 | 0 | 0 |
| 7 | 3660 | 515300 | | Payouts - Sick Leave | 0 | 0 | 0 |
| 8 | 3660 | 515350 | | Payouts - Vacation Pay | 0 | 0 | 0 |
| 9 | 3660 | 515500 | | Sick Accrual Expense | 0 | 0 | 0 |
| 10 | 3660 | 515550 | | Vacation Accrual Expense | 0 | 0 | 0 |
| 11 | 3660 | 521050 | | Social Security | 24,192 | 0 | 24,192 |
| 12 | 3660 | 521100 | | Medicare | 5,835 | 0 | 5,835 |
| 13 | 3660 | 522150 | | Pensions - General Employees | 65,121 | 0 | 65,121 |
| 14 | 3660 | 522151 | | General GASB 68 | 0 | 0 | 0 |
| 15 | 3660 | 522200 | | Pensions - ICMA 401a | 25,743 | 0 | 25,743 |
| 16 | 3660 | 522250 | | Pensions - OPEB | 0 | 4,284 | 4,284 |
| 17 | 3660 | 522300 | | 401a Match Program | 7,618 | 0 | 7,618 |
| 18 | 3660 | 522350 | | Pensions - Retirement Health | 6,908 | 0 | 6,908 |
| 19 | 3660 | 523050 | | Health Insurance | 91,434 | 0 | 91,434 |
| 20 | 3660 | 523100 | | Dental Insurance | 1,355 | 0 | 1,355 |
| 21 | 3660 | 523150 | | Life Insurance | 627 | 0 | 627 |
| 22 | 3660 | 523200 | | Long-term Disability Insurance | 555 | 0 | 555 |
| 23 | 3660 | 524000 | | Workers' Compensation | 3,704 | 0 | 3,704 |
| 24 | | | | Total Personnel Services | \$672,011 | \$4,284 | \$676,295 |
| | | | | <u>Operating Expenses</u> | | | |
| 25 | 3660 | 531010 | | Professional Services | \$76,800 | \$0 | \$76,800 |
| 26 | 3660 | 531010 | 12161 | Professional Services | 0 | 0 | 0 |
| 27 | 3660 | 531010 | 14411 | Professional Services | 0 | 0 | 0 |
| 28 | 3660 | 531010 | P1506 | Professional Services | 0 | 0 | 0 |
| 29 | 3660 | 531010 | P1603 | Professional Services | 0 | 0 | 0 |
| 30 | 3660 | 531010 | P1702 | Professional Services | 0 | 0 | 0 |
| 31 | 3660 | 531010 | P1801 | Professional Services | 50,000 | (50,000) [2] | 0 |
| 32 | 3660 | 532000 | | Accounting and Auditing | 3,433 | 0 | 3,433 |
| 33 | 3660 | 534010 | | Outside Services | 283,500 | (230,000) [2] | 53,500 |
| 34 | 3660 | 534010 | CM001 | Outside Services | 0 | 0 | 0 |
| 35 | 3660 | 534010 | P1512 | Outside Services | 0 | 0 | 0 |
| 36 | 3660 | 534010 | P1610 | Outside Services | 2,175,000 | (2,175,000) [2] | 0 |
| 37 | 3660 | 534010 | P1612 | Outside Services | 0 | 0 | 0 |
| 38 | 3660 | 534040 | | Special Events | 0 | 0 | 0 |
| 39 | 3660 | 541010 | | Phone and Communications | 1,428 | 0 | 1,428 |
| 40 | 3660 | 542000 | | Postage and Freight | 12,741 | 0 | 12,741 |
| 41 | 3660 | 543010 | | Electricity | 75,000 | 0 | 75,000 |
| 42 | 3660 | 544010 | | Uniforms | 1,687 | 0 | 1,687 |
| 43 | 3660 | 544030 | | Equipment Rental | 0 | 0 | 0 |
| 44 | 3660 | 546040 | | Equipment Repairs | 5,000 | 0 | 5,000 |
| 45 | 3660 | 546050 | | Computer Hardware Maintenance | 0 | 0 | 0 |
| 46 | 3660 | 546070 | | Equipment Maintenance Agreements | 0 | 0 | 0 |
| 47 | 3660 | 546090 | | Office Equipment | 0 | 0 | 0 |
| 48 | 3660 | 546120 | | Storm Drains | 29,760 | 0 | 29,760 |
| 49 | 3660 | 547000 | | Printing and Binding | 8,000 | 0 | 8,000 |
| 50 | 3660 | 549970 | | Contingencies | 0 | 0 | 0 |
| 51 | 3660 | 549990 | | Working Reserves | 52,983 | (52,983) | 0 |
| 52 | 3660 | 551000 | | Office Supplies | 0 | 0 | 0 |
| 53 | 3660 | 552010 | | Specialized Supplies | 0 | 0 | 0 |
| 54 | 3660 | 552030 | | Equipment and Tools | 10,000 | 0 | 10,000 |
| 55 | 3660 | 552050 | | Medical Supplies | 0 | 0 | 0 |
| 56 | 3660 | 552060 | | Chemicals | 0 | 0 | 0 |
| 57 | 3660 | 552070 | | Small Furniture and Fixtures | 0 | 0 | 0 |

Table 2-2
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Stormwater Operating Expenses

| Line No. | Department Code | Object Code | Project Code | Description | Budget 2018 | Adjustments | Adjusted 2018 |
|----------|-----------------|-------------|--------------|---|--------------------|----------------------|--------------------|
| 58 | 3660 | 552080 | | Traffic Control / Signs | 1,000 | 0 | 1,000 |
| 59 | 3660 | 552140 | | Diesel Fuel | 24,308 | 0 | 24,308 |
| 60 | 3660 | 552150 | | Motor Vehicle Fuel | 5,160 | 0 | 5,160 |
| 61 | 3660 | 552160 | | Grease, Oil, and Lubricants | 0 | 0 | 0 |
| 62 | 3660 | 552170 | | Computer Equipment and Supplies | 0 | 0 | 0 |
| 63 | 3660 | 552200 | | Uniforms / Protective Clothing | 2,260 | 0 | 2,260 |
| 64 | 3660 | 552230 | | CM Project / Program Supplies | 0 | 0 | 0 |
| 65 | 3660 | 552250 | | Machinery Parts | 1,000 | 0 | 1,000 |
| 66 | 3660 | 552280 | | Purchased Water | 0 | 0 | 0 |
| 67 | 3660 | 552300 | | Drafting Supplies | 0 | 0 | 0 |
| 68 | 3660 | 554010 | | Books and Publications | 0 | 0 | 0 |
| 69 | 3660 | 554030 | | Dues and Memberships | 1,560 | 0 | 1,560 |
| 70 | 3660 | 554040 | | Internet Subscriptions | 0 | 0 | 0 |
| 71 | 3660 | 555010 | | Computer Training | 1,500 | 0 | 1,500 |
| 72 | 3660 | 555020 | | Meetings and Seminars | 1,200 | 0 | 1,200 |
| 73 | 3660 | 555040 | | General Employee Training | 4,325 | 0 | 4,325 |
| 74 | 3660 | 555060 | | License and Certification | 14,307 | 0 | 14,307 |
| 75 | 3660 | 559010 | | Depreciation Expense | 0 | 0 | 0 |
| 76 | 3660 | 564040 | | Machinery and Equipment | 25,000 | (25,000) [2] | 0 |
| 77 | 3660 | 564070 | 12161 | Computer Equipment | 0 | 0 [2] | 0 |
| 78 | 3660 | 565000 | 14411 | Construction in Progress | 0 | 0 [2] | 0 |
| 79 | 3660 | 565000 | 8630C | Construction in Progress | 0 | 0 [2] | 0 |
| 80 | 3660 | 565000 | 94901 | Construction in Progress | 0 | 0 [2] | 0 |
| 81 | 3660 | 565000 | P1605 | Construction in Progress | 0 | 0 [2] | 0 |
| 82 | 3660 | 565000 | P1702 | Construction in Progress | 0 | 0 [2] | 0 |
| 83 | | | | Total Operating Expenses | \$2,866,952 | (\$2,532,983) | \$333,969 |
| 84 | | | | Total Stormwater Management | \$3,538,963 | (\$2,528,699) | \$1,010,264 |
| | 3680 | | | Debt Service | | | |
| 85 | 3680 | 571220 | | Principal - 2012 Chase Note | \$64,976 | (\$64,976) [3] | \$0 |
| 86 | 3680 | 571225 | | Principal - Bond Series 2014 | 172,155 | (172,155) [3] | 0 |
| 87 | 3680 | 572220 | | Interest - 2012 Chase Note | 4,496 | (4,496) [3] | 0 |
| 88 | 3680 | 572225 | | Interest - Bond Series 2014 | 31,890 | (31,890) [3] | 0 |
| 89 | | | | Total Debt Service | \$273,517 | (\$273,517) | \$0 |
| | 3695 | | | Renewal & Replacement | | | |
| 90 | 3695 | 549530 | | Administrative Charges to Fleet Services | \$164,159 | \$0 | \$164,159 |
| 91 | | | | Total Renewal & Replacement | \$164,159 | \$0 | \$164,159 |
| 92 | | | | Subtotal Stormwater Drainage | \$3,976,639 | (\$2,802,216) | \$1,174,423 |
| | 8911 | | | Charges to Other Funds | | | |
| 93 | 8911 | 549001 | | Administrative Charges to the General Fund | \$170,502 | \$0 | \$170,502 |
| 94 | 8911 | 549160 | | Administrative Charges to the Transportation Fund | 474 | 0 | 474 |
| 95 | 8911 | 549430 | | Administrative Charges to the Water Fund | 406,837 | 0 | 406,837 |
| 96 | | | | Total Administrative Charges | \$577,813 | \$0 | \$577,813 |
| | 9009 | | | Transfers to Other Funds | | | |
| 97 | 9009 | 549880 | | Interfund Transfer to Capital Projects | \$0 | \$0 [5] | \$0 |
| 98 | 9009 | 549890 | | Interfund Transfer to General Liability | 10,500 | (10,500) [4] | 0 |
| 99 | | | | Total Transfers to Other Funds | \$10,500 | (\$10,500) | \$0 |

Table 2-2
City of Hallandale Beach, Florida
Utility Rate Study

Fiscal Year 2018 Budgeted Stormwater Operating Expenses

| Line No. | Department Code | Object Code | Project Code | Description | Budget 2018 | Adjustments | Adjusted 2018 |
|----------|-----------------|-------------|--------------|---|---------------------------|-----------------------------|---------------------------|
| | | | | Other | | | |
| 100 | | 599000 | | Capital Outlay Reclass | \$0 | \$0 | \$0 |
| 101 | | | | Contingency (1.00% of O&M) [6] | 0 | 17,635 | 17,635 |
| 102 | | | | Bad Debt Expense (0.25% of Rate Revenues) [7] | 0 | 11,289 | 11,289 |
| 103 | | | | Total Other | <u>\$0</u> | <u>\$28,924</u> | <u>\$28,924</u> |
| 104 | | | | Total Stormwater Drainage Fund | <u><u>\$4,564,952</u></u> | <u><u>(\$2,783,792)</u></u> | <u><u>\$1,781,160</u></u> |

Footnotes:

- [1] Based on budgeted figures for the Fiscal Year Ending September 30, 2018 as provided by the City.
- [2] Equipment expenses and other capital outlay are adjusted from projected operating expenses and reflected in the capital improvement program on Table 2-5.
- [3] Amounts reflect reductions in the operating budget for debt service payments associated with long-term debt. Such amounts are reflected in Table 2-6.
- [4] Amounts reflect reductions in the operating budget for intergovernmental transfers shown in Table 2-8.
- [5] Amount reflect reductions in the operating budget for transfers to the R&R Fund shown in Table 2-7.
- [6] Amount based on 1.00% of annual expenses to allow for unforeseen expenses.
- [7] Amount based on 0.25% of annual revenues to allow for uncollectible accounts.

Table 2-3
City of Hallandale Beach, Florida
Utility Rate Study

Projected Stormwater Operating Expenses

| Line No. | Department Code | Object Code | Project Code | Description | Adjusted 2018 | Escalation Reference [2] | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|-------------|--------------|------------------------------------|--------------------|--------------------------|--|--------------------|--------------------|--------------------|
| | | | | | | | 2019 | 2020 | 2021 | 2022 |
| | 3660 | | | Stormwater Management | | | | | | |
| | | | | <u>Personnel Services</u> | | | | | | |
| 1 | 3660 | 512000 | | Regular Salaries and Wages | \$407,779 | Personnel | \$420,012 | \$432,613 | \$445,591 | \$458,959 |
| | 3660 | AddPer | | Additional Personnel | 0 | Calculated | 0 | 57,500 | 59,300 | 122,200 |
| 2 | 3660 | 513000 | | Other Salaries and Wages | 16,640 | Personnel | 17,139 | 17,653 | 18,183 | 18,728 |
| 3 | 3660 | 514000 | | Overtime Pay | 14,500 | Personnel | 14,935 | 15,383 | 15,845 | 16,320 |
| 4 | 3660 | 515150 | | Auto and Travel Allowances | 0 | Personnel | 0 | 0 | 0 | 0 |
| 5 | 3660 | 515250 | | Payouts - Civil Service | 0 | Personnel | 0 | 0 | 0 | 0 |
| 6 | 3660 | 515300 | | Payouts - Sick Leave | 0 | Personnel | 0 | 0 | 0 | 0 |
| 7 | 3660 | 515350 | | Payouts - Vacation Pay | 0 | Personnel | 0 | 0 | 0 | 0 |
| 8 | 3660 | 515350 | | Sick Accrual Expense | 0 | Personnel | 0 | 0 | 0 | 0 |
| 9 | 3660 | 515350 | | Vacation Accrual Expense | 0 | Personnel | 0 | 0 | 0 | 0 |
| 10 | 3660 | 521050 | | Social Security | 24,192 | Personnel | 24,918 | 25,665 | 26,435 | 27,228 |
| 11 | 3660 | 521100 | | Medicare | 5,835 | Personnel | 6,010 | 6,190 | 6,376 | 6,567 |
| 12 | 3660 | 522150 | | Pensions - General Employees | 65,121 | Personnel | 67,075 | 69,087 | 71,159 | 73,294 |
| 13 | 3660 | 522151 | | General GASB 68 | 0 | Personnel | 0 | 0 | 0 | 0 |
| 14 | 3660 | 522200 | | Pensions - ICMA 401a | 25,743 | Personnel | 26,515 | 27,311 | 28,130 | 28,974 |
| 15 | 3660 | 522250 | | Pensions - OPEB | 4,284 | Personnel | 4,412 | 4,545 | 4,681 | 4,821 |
| 16 | 3660 | 522300 | | 401a Match Program | 7,618 | Personnel | 7,847 | 8,082 | 8,324 | 8,574 |
| 17 | 3660 | 522350 | | Pensions - Retirement Health | 6,908 | Personnel | 7,115 | 7,329 | 7,549 | 7,775 |
| 18 | 3660 | 523050 | | Health Insurance | 91,434 | Ins-Health | 100,577 | 110,635 | 121,699 | 133,869 |
| 19 | 3660 | 523100 | | Dental Insurance | 1,355 | Ins-Health | 1,491 | 1,640 | 1,804 | 1,984 |
| 20 | 3660 | 523150 | | Life Insurance | 627 | Ins-Health | 690 | 759 | 835 | 918 |
| 21 | 3660 | 523200 | | Long-term Disability Insurance | 555 | Ins-Health | 611 | 672 | 739 | 813 |
| 22 | 3660 | 524000 | | Workers' Compensation | 3,704 | Worker Comp | 3,889 | 4,084 | 4,288 | 4,502 |
| 23 | | | | Total Personnel Services | \$676,295 | | \$703,236 | \$789,146 | \$820,937 | \$915,527 |
| | | | | <u>Operating Expenses</u> | | | | | | |
| 24 | 3660 | 531010 | | Professional Services | \$76,800 | ProfSvc | \$79,104 | \$81,477 | \$83,921 | \$86,439 |
| 25 | 3660 | 531010 | 12161 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 26 | 3660 | 531010 | 14411 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 27 | 3660 | 531010 | P1506 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 28 | 3660 | 531010 | P1603 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 29 | 3660 | 531010 | P1702 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 30 | 3660 | 531010 | P1801 | Professional Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 31 | 3660 | 532000 | | Accounting and Auditing | 3,433 | Inflation | 3,512 | 3,596 | 3,683 | 3,771 |
| 32 | 3660 | 534010 | | Outside Services | 53,500 | ProfSvc | 55,105 | 56,758 | 58,461 | 60,215 |
| 33 | 3660 | 534010 | CM001 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 34 | 3660 | 534010 | P1512 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 35 | 3660 | 534010 | P1610 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 36 | 3660 | 534010 | P1612 | Outside Services | 0 | ProfSvc | 0 | 0 | 0 | 0 |
| 37 | 3660 | 534040 | | Special Events | 0 | Inflation | 0 | 0 | 0 | 0 |
| 38 | 3660 | 541010 | | Phone and Communications | 1,428 | Inflation | 1,461 | 1,496 | 1,532 | 1,569 |
| 39 | 3660 | 542000 | | Postage and Freight | 12,741 | Inflation | 13,034 | 13,347 | 13,667 | 13,995 |
| 40 | 3660 | 543010 | | Electricity | 75,000 | Utility | 78,750 | 82,688 | 86,822 | 91,163 |
| 41 | 3660 | 544010 | | Uniforms | 1,687 | Inflation | 1,726 | 1,767 | 1,810 | 1,853 |
| 42 | 3660 | 544030 | | Equipment Rental | 0 | Inflation | 0 | 0 | 0 | 0 |
| 43 | 3660 | 546040 | | Equipment Repairs | 5,000 | Repair | 5,150 | 5,305 | 5,464 | 5,628 |
| 44 | 3660 | 546050 | | Computer Hardware Maintenance | 0 | Inflation | 0 | 0 | 0 | 0 |
| 45 | 3660 | 546070 | | Equipment Maintenance Agreements | 0 | Repair | 0 | 0 | 0 | 0 |
| 46 | 3660 | 546090 | | Office Equipment | 0 | Inflation | 0 | 0 | 0 | 0 |
| 47 | 3660 | 546120 | | Storm Drains | 29,760 | Repair | 30,653 | 31,572 | 32,520 | 33,495 |
| 48 | 3660 | 547000 | | Printing and Binding | 8,000 | Inflation | 8,184 | 8,380 | 8,582 | 8,788 |
| 49 | 3660 | 549970 | | Contingencies | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 50 | 3660 | 549990 | | Working Reserves | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 51 | 3660 | 551000 | | Office Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 52 | 3660 | 552010 | | Specialized Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 53 | 3660 | 552030 | | Equipment and Tools | 10,000 | Repair | 10,300 | 10,609 | 10,927 | 11,255 |
| 54 | 3660 | 552050 | | Medical Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 55 | 3660 | 552060 | | Chemicals | 0 | Inflation | 0 | 0 | 0 | 0 |
| 56 | 3660 | 552070 | | Small Furniture and Fixtures | 0 | Inflation | 0 | 0 | 0 | 0 |
| 57 | 3660 | 552080 | | Traffic Control / Signs | 1,000 | Inflation | 1,023 | 1,048 | 1,073 | 1,098 |
| 58 | 3660 | 552140 | | Diesel Fuel | 24,308 | Fuel | 25,523 | 26,800 | 28,140 | 29,547 |
| 59 | 3660 | 552150 | | Motor Vehicle Fuel | 5,160 | Fuel | 5,418 | 5,689 | 5,973 | 6,272 |
| 60 | 3660 | 552160 | | Grease, Oil, and Lubricants | 0 | Inflation | 0 | 0 | 0 | 0 |
| 61 | 3660 | 552170 | | Computer Equipment and Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 62 | 3660 | 552200 | | Uniforms / Protective Clothing | 2,260 | Inflation | 2,312 | 2,367 | 2,424 | 2,482 |
| 63 | 3660 | 552230 | | CM Project / Program Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 64 | 3660 | 552250 | | Machinery Parts | 1,000 | Repair | 1,030 | 1,061 | 1,093 | 1,126 |
| 65 | 3660 | 552280 | | Purchased Water | 0 | Inflation | 0 | 0 | 0 | 0 |
| 66 | 3660 | 552300 | | Drafting Supplies | 0 | Inflation | 0 | 0 | 0 | 0 |
| 67 | 3660 | 554010 | | Books and Publications | 0 | Inflation | 0 | 0 | 0 | 0 |
| 68 | 3660 | 554030 | | Dues and Memberships | 1,560 | Inflation | 1,596 | 1,634 | 1,673 | 1,714 |
| 69 | 3660 | 554040 | | Internet Subscriptions | 0 | Inflation | 0 | 0 | 0 | 0 |
| 70 | 3660 | 555010 | | Computer Training | 1,500 | Inflation | 1,535 | 1,571 | 1,609 | 1,648 |
| 71 | 3660 | 555020 | | Meetings and Seminars | 1,200 | Inflation | 1,228 | 1,257 | 1,287 | 1,318 |
| 72 | 3660 | 555040 | | General Employee Training | 4,325 | Inflation | 4,424 | 4,531 | 4,639 | 4,751 |
| 73 | 3660 | 555060 | | License and Certification | 14,307 | Inflation | 14,636 | 14,987 | 15,347 | 15,715 |
| 74 | 3660 | 559010 | | Depreciation Expense | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 75 | 3660 | 564040 | | Machinery and Equipment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 76 | 3660 | 564070 | 12161 | Computer Equipment | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 77 | 3660 | 565000 | 14411 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 78 | 3660 | 565000 | 8630C | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 79 | 3660 | 565000 | 94901 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 80 | 3660 | 565000 | P1605 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 81 | 3660 | 565000 | P1702 | Construction in Progress | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 82 | | | | Total Operating Expenses | \$333,969 | | \$345,703 | \$357,940 | \$370,646 | \$383,840 |
| 83 | | | | Total Stormwater Management | \$1,010,264 | | \$1,048,939 | \$1,147,086 | \$1,191,583 | \$1,299,367 |

Table 2-3
City of Hallandale Beach, Florida
Utility Rate Study

Projected Stormwater Operating Expenses

| Line No. | Department Code | Object Code | Project Code | Description | Adjusted 2018 | Escalation Reference [2] | Projected Fiscal Year Ending September 30, | | | |
|----------|-----------------|-------------|--------------|---|--------------------|--------------------------|--|--------------------|--------------------|--------------------|
| | | | | | | | 2019 | 2020 | 2021 | 2022 |
| | 3680 | | | Debt Service | | | | | | |
| 84 | 3680 | 571220 | | Principal - 2012 Chase Note | \$0 | Eliminate | \$0 | \$0 | \$0 | \$0 |
| 85 | 3680 | 571225 | | Principal - Bond Series 2014 | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 86 | 3680 | 572220 | | Interest - 2012 Chase Note | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 87 | 3680 | 572225 | | Interest - Bond Series 2014 | 0 | Eliminate | 0 | 0 | 0 | 0 |
| 88 | | | | Total Debt Service | <u>\$0</u> | | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> |
| | 3695 | | | Renewal & Replacement | | | | | | |
| 89 | 3695 | 549530 | | Administrative Charges to Fleet Services | \$164,159 | Repair | \$169,084 | \$174,156 | \$179,381 | \$184,762 |
| 90 | | | | Total Renewal & Replacement | <u>\$164,159</u> | | <u>\$169,084</u> | <u>\$174,156</u> | <u>\$179,381</u> | <u>\$184,762</u> |
| 91 | | | | Subtotal Stormwater Drainage | <u>\$1,174,423</u> | | <u>\$1,218,023</u> | <u>\$1,321,243</u> | <u>\$1,370,964</u> | <u>\$1,484,129</u> |
| | 8911 | | | Charges to Other Funds | | | | | | |
| 92 | 8911 | 549001 | | Administrative Charges to the General Fund [3] | \$170,502 | Personnel | \$143,018 | \$147,308 | \$151,727 | \$156,279 |
| 93 | 8911 | 549160 | | Administrative Charges to the Transportation Fund | 474 | Personnel | 488 | 503 | 518 | 533 |
| 94 | 8911 | 549430 | | Administrative Charges to the Water Fund | 406,837 | Personnel | 419,042 | 431,613 | 444,562 | 457,899 |
| 95 | | | | Total Charges to Other Funds | <u>\$577,813</u> | | <u>\$562,548</u> | <u>\$579,424</u> | <u>\$596,807</u> | <u>\$614,711</u> |
| | 9009 | | | Transfers to Other Funds | | | | | | |
| 96 | 9009 | 549880 | | Interfund Transfer to Capital Projects | \$0 | Eliminate | \$0 | \$0 | \$0 | \$0 |
| 97 | 9009 | 549890 | | Interfund Transfer to General Liability | 0 | Ins-Property | 0 | 0 | 0 | 0 |
| 98 | | | | Total Transfers to Other Funds | <u>\$0</u> | | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> | <u>\$0</u> |
| | | | | Other | | | | | | |
| 99 | | | | Capital Outlay Reclass | \$0 | Eliminate | \$0 | \$0 | \$0 | \$0 |
| 100 | | | | Contingency (1.00% of O&M) [4] | 17,635 | Calculated | 17,920 | 19,122 | 19,793 | 21,105 |
| 101 | | | | Bad Debt Expense (0.25% of Rate Revenues) [5] | 11,289 | Calculated | 11,387 | 11,487 | 11,577 | 11,701 |
| 102 | | | | Total Other | <u>\$28,924</u> | | <u>\$29,306</u> | <u>\$30,608</u> | <u>\$31,371</u> | <u>\$32,807</u> |
| 103 | | | | Total Stormwater Operating Expenses | <u>\$1,781,160</u> | | <u>\$1,809,877</u> | <u>\$1,931,275</u> | <u>\$1,999,142</u> | <u>\$2,131,647</u> |
| 104 | | | | Percent Change | <u>N/A</u> | | <u>1.6%</u> | <u>6.7%</u> | <u>3.5%</u> | <u>6.6%</u> |

Footnotes:

- [1] Amounts derived from Table 2-2.
[2] The escalation references and amounts are derived from Table 2-4.
[3] Per discussions with the City, fiscal year 2019 is the last year of a phase down program in this cost center.
[4] Amount based on 1.00% of annual expenses to allow for unforeseen expenses.
[5] Amount based on 0.25% of annual revenues to allow for uncollectible accounts.

Table 2-4
City of Hallandale Beach, Florida
Utility Rate Study

Summary of System Expense Escalation Factors

| Line No. | Description | Reference | Fiscal Year Ending September 30, | | | |
|-------------|--|--------------|----------------------------------|--------|--------|--------|
| | | | 2019 | 2020 | 2021 | 2022 |
| 1 | Constant | Constant | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 2 | General Inflation (CPI-U Index) [1] | Inflation | 1.0230 | 1.0240 | 1.0240 | 1.0240 |
| 3 | Marginal Escalator | Margin | 1.0100 | 1.0100 | 1.0100 | 1.0100 |
| 4 | Labor and Benefits Escalator | Personnel | 1.0300 | 1.0300 | 1.0300 | 1.0300 |
| 5 | Life/Health/Disability Insurance Escalator | Ins-Health | 1.1000 | 1.1000 | 1.1000 | 1.1000 |
| 6 | Property Insurance Escalator | Ins-Property | 1.0300 | 1.0300 | 1.0300 | 1.0300 |
| 7 | Repair and Maintenance | Repair | 1.0300 | 1.0300 | 1.0300 | 1.0300 |
| 8 | Workers' Compensation | Worker Comp | 1.0500 | 1.0500 | 1.0500 | 1.0500 |
| 9 | Electric Utility Costs | Utility | 1.0500 | 1.0500 | 1.0500 | 1.0500 |
| 10 | Fuel | Fuel | 1.0500 | 1.0500 | 1.0500 | 1.0500 |
| 11 | ERU Growth + Inflation | Inf/ERU | 1.0319 | 1.0330 | 1.0321 | 1.0350 |
| 12 | Rate Revenue | Revenue | 1.0087 | 1.0088 | 1.0079 | 1.0107 |
| 13 | Elimination Factor | Eliminate | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | Professional Services | ProfSvc | 1.0300 | 1.0300 | 1.0300 | 1.0300 |

Footnotes:

[1] Inflation figures obtained from the "The Budget and Economic Outlook: An Update" published by the Congressional Budget Office as of June 2017.

Table 2-5
City of Hallandale Beach, Florida
Utility Rate Study

Projected Capital Improvement Program Funding Plan

| Line No. | Description | Project Number | Escalation Factor | Funding Source | Adjusted 2018 | Fiscal Year Ending September 30, | | | | Totals |
|----------------------------------|---|----------------|-------------------|----------------|--------------------|----------------------------------|--------------------|--------------------|--------------------|---------------------|
| | | | | | | 2019 | 2020 | 2021 | 2022 | |
| <u>Capital Escalation</u> | | | | | | | | | | |
| 1 | No Assumed Escalation (0.0% per year) | | None | | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| 2 | Inflation (~2.4% per year) | | Inflation | | 1.0000 | 1.0230 | 1.0476 | 1.0727 | 1.0984 | |
| 3 | ENR Index Average (3.0% per year) | | ENR | | 1.0000 | 1.0300 | 1.0609 | 1.0927 | 1.1255 | |
| 4 | Marginal Increase (1.0% per year) | | Marginal | | 1.0000 | 1.0100 | 1.0201 | 1.0303 | 1.0406 | |
| 5 | High Increase (5.0% per year) | | High | | 1.0000 | 1.0500 | 1.1025 | 1.1576 | 1.2155 | |
| Capital Expenditures | | | | | | | | | | |
| 6 | Community Block Development Grant (CDBG) 43rd Year Public Works | P1801 | ENR | Rates | \$50,000 | \$0 | \$0 | \$0 | \$0 | \$50,000 |
| 7 | Community Block Development Grant (CDBG) 43rd Year Public Works - Split Funding | P1801 | ENR | Grants | 106,500 | 0 | 0 | 0 | 0 | 106,500 |
| 8 | NE14th Avenue Enhanced Landscaping | P1605 | ENR | Rates | 42,665 | 0 | 0 | 0 | 0 | 42,665 |
| 9 | SW/SE Drainage Improvement (City Share) | P1610 | ENR | Rates | 2,218,200 | 2,060,000 | 0 | 0 | 0 | 4,278,200 |
| 10 | SW/SE Drainage Improvement - Split Funding | | ENR | Grants | 148,875 | 0 | 0 | 0 | 0 | 148,875 |
| 11 | Community Block Development Grant (CDBG) 42nd Year Public Works | P1702 | ENR | Rates | 101,870 | 0 | 0 | 0 | 0 | 101,870 |
| 12 | Community Block Development Grant (CDBG) 42nd Year Public Works - Split Funding | P1702 | ENR | Grants | 109,842 | 0 | 0 | 0 | 0 | 109,842 |
| 13 | Sweeper Truck | 988 | Inflation | Rates | 190,000 | 0 | 0 | 0 | 0 | 190,000 |
| 14 | NE14th Avenue Pump Maintenance - Four (4) Stormwater Pumps | | ENR | Rates | 30,000 | 0 | 0 | 0 | 0 | 30,000 |
| 15 | Repair and Maintenance of Large Diameter Pipes | | ENR | Rates | 200,000 | 0 | 0 | 0 | 0 | 200,000 |
| 16 | CDBG 42, 43, 44, 45, 46 (match) | | ENR | Rates | 0 | 51,500 | 53,045 | 54,636 | 56,275 | 215,457 |
| 17 | Retention Pond (King Estates) Dredging and Banks Stabilization | | ENR | Rates | 0 | 515,000 | 530,450 | 546,364 | 0 | 1,591,814 |
| 18 | Shaffer Canal Dredging and Banks Stabilization | | ENR | Rates | 0 | 515,000 | 530,450 | 546,364 | 562,754 | 2,154,568 |
| 19 | SE 14 Ave. Canal - Mangroves Trimming and Cleaning | | ENR | Rates | 0 | 206,000 | 0 | 0 | 0 | 206,000 |
| 20 | Drainage Project | | ENR | Rates | 0 | 515,000 | 636,540 | 655,636 | 675,305 | 2,482,481 |
| 21 | Large Diameter Stormwater Pipe Replacement / New Installatio | | ENR | Rates | 0 | 206,000 | 212,180 | 218,545 | 112,551 | 749,276 |
| 22 | Public Works Complex Allocation | | ENR | Rates | 0 | 0 | 0 | 218,545 | 135,061 | 353,606 |
| 23 | Departmental Capital Outlay | DCO | Inflation | Rates | \$25,000 | \$25,575 | \$26,189 | \$26,817 | \$27,461 | \$131,042 |
| 24 | Total Capital Expenditures | | | | <u>\$3,222,952</u> | <u>\$4,094,075</u> | <u>\$1,988,854</u> | <u>\$2,266,908</u> | <u>\$1,569,408</u> | <u>\$13,142,196</u> |
| Funding Sources | | | | | | | | | | |
| 25 | Rate Revenues / Operating Reserves | | | Rates | \$2,857,735 | \$4,094,075 | \$1,988,854 | \$2,266,908 | \$1,569,408 | \$12,776,979 |
| 26 | Renewal and Replacement Fund | | | RR | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | Other Interfund Transfers | | | Other | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | Grants / Other Contributions | | | Grants | 365,217 | 0 | 0 | 0 | 0 | 365,217 |
| 29 | Additional Debt 1 | | | Debt1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | Additional Debt 2 | | | Debt2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | Additional Debt 3 | | | Debt3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | Additional Debt 4 | | | Debt4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | Total Funding Sources | | | | <u>\$3,222,952</u> | <u>\$4,094,075</u> | <u>\$1,988,854</u> | <u>\$2,266,908</u> | <u>\$1,569,408</u> | <u>\$13,142,196</u> |

Table 2-6
City of Hallandale Beach, Florida
Utility Rate Study

Projection of Existing and Proposed Debt Service Payments

| Line No. | Description | Projected Fiscal Year Ending September 30, | | | | |
|-----------------------|--|--|-----------|-----------|-----------|-----------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| EXISTING DEBT SERVICE | | | | | | |
| 1 | JP Morgan Chase Revenue Note 2012 Total Annual Debt Service | \$69,472 | \$68,497 | \$68,563 | \$68,613 | \$69,686 |
| 2 | BB&T 2014 Refunding Loan Total Annual Debt Service | \$204,044 | \$205,226 | \$204,608 | \$205,599 | \$206,475 |
| 3 | Total Existing Annual Debt Service | \$273,515 | \$273,723 | \$273,171 | \$274,211 | \$276,161 |
| PROPOSED DEBT SERVICE | | | | | | |
| 4 | Additional Debt 1 Total Annual Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 |
| 5 | Additional Debt 2 Total Annual Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 |
| 6 | Additional Debt 3 Total Annual Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 |
| 7 | Additional Debt 4 Total Annual Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 |
| 8 | TOTAL PROPOSED DEBT SERVICE Total Annual Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 |
| 9 | TOTAL DEBT SERVICE Total Annual Debt Service | \$273,515 | \$273,723 | \$273,171 | \$274,211 | \$276,161 |

Table 2-7
City of Hallandale Beach, Florida
Utility Rate Study

Projected Transfer to Renewal and Replacement Fund

| Line No. | Description | Fiscal Year Ending September 30, | | | | |
|-------------|--|----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| | <u>Projected Prior Year Gross Revenues</u> | <u>2017</u> | <u>2018</u> | <u>2019</u> | <u>2020</u> | <u>2021</u> |
| 1 | Stormwater Drainage Fees | \$2,039,377 | \$4,515,631 | \$4,554,721 | \$4,594,696 | \$4,630,957 |
| 2 | Additional Revenue from Rate Increases | 0 | 0 | 0 | 0 | 0 |
| 3 | Subtotal Stormwater Drainage Fees | \$2,039,377 | \$4,515,631 | \$4,554,721 | \$4,594,696 | \$4,630,957 |
| 4 | Non-Operating Revenues | \$46,877 | \$39,321 | \$39,967 | \$40,633 | \$41,318 |
| 5 | Interest Income | 11,200 | 9,371 | 7,071 | 5,571 | 6,271 |
| 6 | Projected Gross Revenues (Prior Year) | \$2,097,454 | \$4,564,323 | \$4,601,760 | \$4,640,900 | \$4,678,547 |
| 7 | Projected Funding Requirement (% of Revenue) | 5.0% | 7.0% | 8.0% | 9.0% | 10.0% |
| 8 | Total Projected Transfers to the R&R Fund | <u><u>\$105,000</u></u> | <u><u>\$320,000</u></u> | <u><u>\$368,000</u></u> | <u><u>\$418,000</u></u> | <u><u>\$468,000</u></u> |

Table 2-8
City of Hallandale Beach, Florida
Utility Rate Study

Projected Intergovernmental Transfers

| Line No. | Description | Budget 2018 | Escalation Reference | Projected Fiscal Year Ending September 30, | | | |
|-------------|---|-----------------|-------------------------|--|-----------------|-----------------|-----------------|
| | | | | 2019 | 2020 | 2021 | 2022 |
| | <u>Interfund Transfers</u> | | | | | | |
| 1 | Interfund Transfer to Capital Projects | \$0 | Constant | \$0 | \$0 | \$0 | \$0 |
| 2 | Interfund Transfer to General Liability | 10,500 | Ins-Property | 10,815 | 11,139 | 11,474 | 11,818 |
| 3 | Total Interfund Transfers | <u>\$10,500</u> | | <u>\$10,815</u> | <u>\$11,139</u> | <u>\$11,474</u> | <u>\$11,818</u> |
| 4 | Total Administrative Charges & Transfers | <u>\$10,500</u> | | <u>\$10,815</u> | <u>\$11,139</u> | <u>\$11,474</u> | <u>\$11,818</u> |

Table 2-9
City of Hallandale Beach, Florida
Utility Rate Study

Projected Fund Balances & Interest Income

| Line No. | Description | Fiscal Year Ending September 30, | | | | |
|---|---|----------------------------------|----------------|----------------|----------------|----------------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| OPERATING FUND | | | | | | |
| 1 | Beginning Balance [1] | \$3,889,594 | \$3,426,007 | \$1,519,276 | \$1,587,737 | \$1,296,549 |
| Non-operating Transfers (Beginning Balances): | | | | | | |
| 2 | Additional Transfer to R&R Fund | \$0 | \$0 | \$0 | \$0 | \$0 |
| 3 | Additional Transfer to Capital Fund | 0 | 0 | 0 | 0 | 0 |
| 4 | Net Amount Available for Operations | \$3,889,594 | \$3,426,007 | \$1,519,276 | \$1,587,737 | \$1,296,549 |
| 5 | Transfers In | 4,564,323 | 4,601,760 | 4,640,900 | 4,678,547 | 4,729,880 |
| 6 | Transfers Out | 5,027,910 | 6,508,490 | 4,572,439 | 4,969,734 | 4,457,034 |
| 7 | Interest Rate (Short Term) | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 8 | Interest Income | 9,100 | 6,200 | 3,900 | 3,600 | 3,600 |
| 9 | Recognition Of Interest in Revenue Requirements | 9,100 | 6,200 | 3,900 | 3,600 | 3,600 |
| 10 | Ending Balance | \$3,426,007 | \$1,519,276 | \$1,587,737 | \$1,296,549 | \$1,569,396 |
| RENEWAL AND REPLACEMENT FUND | | | | | | |
| 11 | Beginning Balance | \$0 | \$105,000 | \$425,000 | \$793,000 | \$1,211,000 |
| 12 | Transfers In | 105,000 | 320,000 | 368,000 | 418,000 | 468,000 |
| 13 | Transfers Out | 0 | 0 | 0 | 0 | 0 |
| 14 | Interest Rate (Short Term) | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 15 | Interest Income | 100 | 700 | 1,500 | 2,500 | 3,600 |
| 16 | Recognition Of Interest in Revenue Requirements | 100 | 700 | 1,500 | 2,500 | 3,600 |
| 17 | Ending Balance | \$105,000 | \$425,000 | \$793,000 | \$1,211,000 | \$1,679,000 |
| DEBT SERVICE SINKING FUND | | | | | | |
| 18 | Annual Sinking Fund Deposit | \$273,515 | \$273,723 | \$273,171 | \$274,211 | \$276,161 |
| 19 | Average Balance | 68,379 | 68,431 | 68,293 | 68,553 | 69,040 |
| 20 | Interest Rate (Short Term) | 0.25% | 0.25% | 0.25% | 0.25% | 0.25% |
| 21 | Interest Income | 171 | 171 | 171 | 171 | 173 |
| 22 | Recognition Of Interest in Revenue Requirements | 171 | 171 | 171 | 171 | 173 |
| 23 | TOTAL UNRESTRICTED INTEREST INCOME | \$9,371 | \$7,071 | \$5,571 | \$6,271 | \$7,373 |
| 24 | TOTAL RESTRICTED INTEREST INCOME | \$0 | \$0 | \$0 | \$0 | \$0 |

Footnotes:

[1] Starting cash based on audited trial balances as of 9/30/2017.

Table 2-10
City of Hallandale Beach, Florida
Utility Rate Study

Development of Net Revenue Requirements from Rates

| Line No. | Description | Fiscal Year Ending September 30, | | | | |
|----------|--|----------------------------------|---------------|-------------|-------------|-------------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| | Projected Operating Expenses & Administrative Charges [1] | | | | | |
| 1 | Stormwater Management Expenses & Administrative Charge: | \$1,781,160 | \$1,809,877 | \$1,931,275 | \$1,999,142 | \$2,131,647 |
| 2 | Total Operating Expenses & Administrative Charges: | \$1,781,160 | \$1,809,877 | \$1,931,275 | \$1,999,142 | \$2,131,647 |
| | Other Revenue Requirements | | | | | |
| | Debt Service [2] | | | | | |
| 3 | Existing | \$273,515 | \$273,723 | \$273,171 | \$274,211 | \$276,161 |
| 4 | Proposed | 0 | 0 | 0 | 0 | 0 |
| 5 | Total Debt Service | \$273,515 | \$273,723 | \$273,171 | \$274,211 | \$276,161 |
| 6 | Administrative Charges & Transfers [3] | \$10,500 | \$10,815 | \$11,139 | \$11,474 | \$11,818 |
| 7 | Capital Funded From Rates [4] | 2,857,735 | 4,094,075 | 1,988,854 | 2,266,908 | 1,569,408 |
| 8 | Transfer to RR&I Fund [5] | 105,000 | 320,000 | 368,000 | 418,000 | 468,000 |
| 9 | Transfer to System Upgrade & Improvement Func | 0 | 0 | 0 | 0 | 0 |
| 10 | Deposit to Reserves | 0 | 0 | 0 | 0 | 0 |
| 11 | Total Other Revenue Requirements | \$3,246,750 | \$4,698,613 | \$2,641,164 | \$2,970,593 | \$2,325,386 |
| 12 | Gross Revenue Requirements | \$5,027,910 | \$6,508,490 | \$4,572,439 | \$4,969,734 | \$4,457,034 |
| | Less Income and Funds from Other Sources | | | | | |
| 13 | Other Operating Revenues [6] | \$39,321 | \$39,967 | \$40,633 | \$41,318 | \$42,025 |
| 14 | Unrestricted Interest Income [7] | 9,371 | 7,071 | 5,571 | 6,271 | 7,373 |
| 15 | Use of Reserves | 0 | 0 | 0 | 0 | 0 |
| 16 | Net Revenue Requirements | \$4,979,218 | \$6,461,452 | \$4,526,236 | \$4,922,145 | \$4,407,636 |
| | Projected Revenues | | | | | |
| 17 | Revenues at Existing Rates [8] | \$4,515,631 | \$4,554,721 | \$4,594,696 | \$4,630,957 | \$4,680,483 |
| 18 | Prior Year Rate Adjustment | 0 | 0 | 0 | 0 | 0 |
| 19 | Total Applicable Rate Revenue | \$4,515,631 | \$4,554,721 | \$4,594,696 | \$4,630,957 | \$4,680,483 |
| | <u>Current Year Rate Adjustments</u> | | | | | |
| 20 | Current Year Rate Adjustment | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| | Effective Month | October | October | October | October | October |
| 21 | % of Current Year Effective | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| 22 | Total Revenue from Current Year Adjustments | \$0 | \$0 | \$0 | \$0 | \$0 |
| 23 | Total Revenue from Rates | \$4,515,631 | \$4,554,721 | \$4,594,696 | \$4,630,957 | \$4,680,483 |
| 24 | Revenue Surplus/(Deficiency) [9] | (\$463,587) | (\$1,906,730) | \$68,460 | (\$291,188) | \$272,847 |
| 25 | Surplus/(Deficiency) - Percent of Rate Revenues | (10.3%) | (41.9%) | 1.5% | (6.3%) | 5.8% |
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Table 2-10
City of Hallandale Beach, Florida
Utility Rate Study

Development of Net Revenue Requirements from Rates

| Line No. | Description | Fiscal Year Ending September 30, | | | | |
|----------|---|----------------------------------|---------|---------|---------|---------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| | Unrestricted Operating Fund & R&R Fund | | | | | |
| 35 | Days of Revenues - Calculated | 285 | 156 | 189 | 198 | 253 |
| 36 | Days of Revenues - Target | 180 | 180 | 180 | 180 | 180 |
| 37 | Existing Rate per ERU per Month | \$7.37 | \$7.37 | \$7.37 | \$7.37 | \$7.37 |
| 38 | Proposed Rate per ERU per Month | \$7.37 | \$7.37 | \$7.37 | \$7.37 | \$7.37 |
| 39 | Proposed Rate per ERU per Year | \$88.44 | \$88.44 | \$88.44 | \$88.44 | \$88.44 |

Footnotes:

- [1] Amounts shown based on Table 2-3.
- [2] Amounts shown based on Table 2-6.
- [3] Amounts shown based on Table 2-8.
- [4] Amounts shown based on Table 2-5.
- [5] Amounts shown based on Table 2-7.
- [6] Amounts shown based on Table 2-1.
- [7] Amounts shown based on Table 2-9.
- [8] Amounts shown based on Table 2-1.
- [9] Any operating surpluses are assumed to be deposited to operating reserves and any operating deficiencies are assumed to be funded from operating reserves.

Table 2-11
City of Hallandale Beach, Florida
Utility Rate Study

Projected Debt Service Coverage

| Line No. | Description | Projected Fiscal Year Ending September 30, [1] | | | | |
|--|---|--|-------------|-------------|-------------|-------------|
| | | 2018 | 2019 | 2020 | 2021 | 2022 |
| <u>Projected Net Revenues</u> | | | | | | |
| | <u>Gross Revenues</u> | | | | | |
| | Sales Revenues | | | | | |
| 1 | Revenues At Existing Rates | \$4,515,631 | \$4,554,721 | \$4,594,696 | \$4,630,957 | \$4,680,483 |
| 2 | Additional Rate Revenues | 0 | 0 | 0 | 0 | 0 |
| 3 | Total | \$4,515,631 | \$4,554,721 | \$4,594,696 | \$4,630,957 | \$4,680,483 |
| 4 | Other Operating Revenue | \$39,321 | \$39,967 | \$40,633 | \$41,318 | \$42,025 |
| 5 | Unrestricted Interest Income | 9,371 | 7,071 | 5,571 | 6,271 | 7,373 |
| 6 | Total Gross Revenues | \$4,564,323 | \$4,601,760 | \$4,640,900 | \$4,678,547 | \$4,729,880 |
| | <u>Operating Expenses</u> | | | | | |
| 7 | Stormwater Management Expenses & Administrative Charges | \$1,781,160 | \$1,809,877 | \$1,931,275 | \$1,999,142 | \$2,131,647 |
| 8 | Total Operating Expenses | \$1,781,160 | \$1,809,877 | \$1,931,275 | \$1,999,142 | \$2,131,647 |
| 9 | Net Revenues | \$2,783,163 | \$2,791,883 | \$2,709,625 | \$2,679,405 | \$2,598,233 |
| <u>Annual Debt Service Payments</u> | | | | | | |
| | <u>Existing Debt Service</u> | | | | | |
| 10 | JP Morgan Chase Revenue Note 2012 | \$69,472 | \$68,497 | \$68,563 | \$68,613 | \$69,686 |
| 11 | BB&T 2014 Refunding Loan | 204,044 | 205,226 | 204,608 | 205,599 | 206,475 |
| 12 | Total Existing Debt Service | \$273,515 | \$273,723 | \$273,171 | \$274,211 | \$276,161 |
| | <u>Proposed Debt Service</u> | | | | | |
| 13 | Additional Debt 1 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 14 | Additional Debt 2 | 0 | 0 | 0 | 0 | 0 |
| 15 | Additional Debt 3 | 0 | 0 | 0 | 0 | 0 |
| 16 | Additional Debt 4 | 0 | 0 | 0 | 0 | 0 |
| 17 | Total Proposed Debt Service | \$0 | \$0 | \$0 | \$0 | \$0 |
| 18 | Total Annual Debt Service Payments | \$273,515 | \$273,723 | \$273,171 | \$274,211 | \$276,161 |
| <u>All-In Debt Service Coverage Test</u> | | | | | | |
| 19 | Net Revenues | \$2,783,163 | \$2,791,883 | \$2,709,625 | \$2,679,405 | \$2,598,233 |
| 20 | Total Annual Debt Service Payments | \$273,515 | \$273,723 | \$273,171 | \$274,211 | \$276,161 |
| 21 | Calculated Debt Service Coverage | 1017.55% | 1019.97% | 991.92% | 977.13% | 940.84% |
| 22 | Target Debt Service Coverage - 150% | 150.00% | 150.00% | 150.00% | 150.00% | 150.00% |
| <u>Senior Lien Debt Service Coverage Test</u> | | | | | | |
| 23 | Net Revenues | \$2,783,163 | \$2,791,883 | \$2,709,625 | \$2,679,405 | \$2,598,233 |
| 24 | Total Annual Debt Service Payments | \$273,515 | \$273,723 | \$273,171 | \$274,211 | \$276,161 |
| 25 | Calculated Debt Service Coverage | 1017.55% | 1019.97% | 991.92% | 977.13% | 940.84% |
| 26 | Minimum Required Debt Service Coverage - 115% | 115.00% | 115.00% | 115.00% | 115.00% | 115.00% |

Table 2-12
City of Hallandale Beach, Florida
Stormwater Utility Rate Study

Comparison of Monthly Residential Stormwater Rates [1]

| Line No. | Description | Monthly Charge | Annual Charge | Impervious Square Feet |
|---------------------------------|-----------------------------------|----------------|----------------|------------------------|
| City of Hallandale Beach | | | | |
| 1 | Existing Rates - Fiscal Year 2019 | \$7.37 | \$88.44 | 958 |
| 2 | Proposed Rates - Fiscal Year 2020 | 7.37 | 88.44 | 958 |
| Other Florida Utilities: | | | | |
| 3 | Broward County | N/A | N/A | N/A |
| 4 | City of Coconut Creek | \$3.71 | \$44.52 | 2,070 |
| 5 | City of Cooper City | 3.22 | 38.64 | 1,750 |
| 6 | City of Coral Springs | N/A | N/A | N/A |
| 7 | City of Dania Beach | 3.33 | 40.00 | N/A |
| 8 | Town of Davie | N/A | N/A | N/A |
| 9 | City of Deerfield Beach | N/A | N/A | N/A |
| 10 | City of Fort Lauderdale | 10.00 | 120.00 | N/A |
| 11 | City of Hollywood | 3.22 | 38.64 | 2,250 |
| 12 | City of Lauderhill | 16.81 | 201.72 | 3,800 |
| 13 | City of Lauderdale Lakes | 6.25 | 75.00 | 2,133 |
| 14 | City of Margate | 5.46 | 65.52 | 2,328 |
| 15 | City of Miramar | 7.00 | 84.00 | 3,619 |
| 16 | City of North Lauderdale | 6.00 | 72.00 | 2,138 |
| 17 | City of Oakland Park | 7.00 | 84.00 | 1,507 |
| 18 | City of Pembroke Pines | N/A | N/A | N/A |
| 19 | City of Plantation | 2.50 | 30.00 | 4,489 |
| 20 | City of Pompano Beach | 4.21 | 50.52 | 2,880 |
| 21 | City of Sunrise | 8.09 | 97.08 | 1,884 |
| 22 | City of Tamarac | 10.34 | 124.09 | 1,830 |
| 23 | City of Weston | N/A | N/A | N/A |
| 24 | City of Wilton Manors | 5.31 | 63.72 | 3,460 |
| 25 | Other Florida Utilities' Average | <u>\$6.40</u> | <u>\$76.84</u> | <u>2,581</u> |

Footnotes:

- [1] Unless otherwise noted, amounts shown reflect residential rates in effect October 2017 and are exclusive of taxes or franchise fees, if any, and reflect rates charged for inside the city service. All rates are as reported by the respective utility. This comparison is intended to show comparable charges for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility.

APPENDIX 2-A



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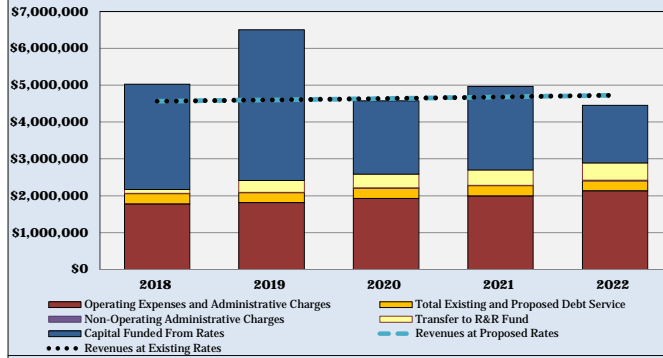
Appendix 2
City of Hallandale Beach, Florida
Utility Rate Study



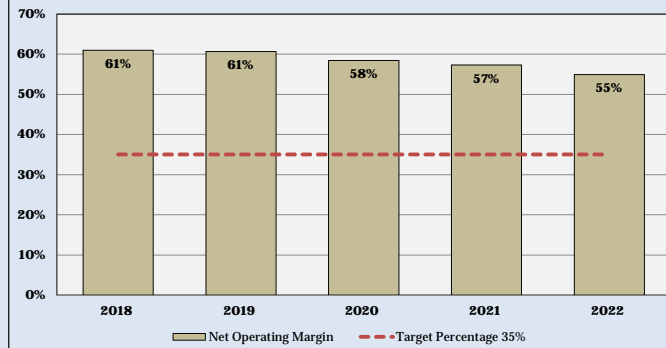
Stormwater System Financial Dashboards and Performance Metrics

| Description | 2018 | 2019 | 2020 | 2021 | 2022 | Description | 2018 Base | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|---------|---------|---------|---------|---------|--------------------------------------|-----------|-------------|---------------|----------|-------------|-----------|
| Recognized Revenue Adjustments: | | | | | | System Surplus / (Deficiency) | N/A | (\$463,587) | (\$1,906,730) | \$68,460 | (\$291,188) | \$272,847 |
| Stormwater Rate Increase | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | Percent of Rate Revenues | N/A | -10.3% | -41.9% | 1.5% | -6.3% | 5.8% |
| Effective Month of Increase | October | October | October | October | October | Average Residential Bill: | | | | | | |
| Cumulative Rate Adjustment | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | Stormwater Monthly Fee | \$7.37 | \$7.37 | \$7.37 | \$7.37 | \$7.37 | \$7.37 |
| | | | | | | Monthly Increase - Total | N/A | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

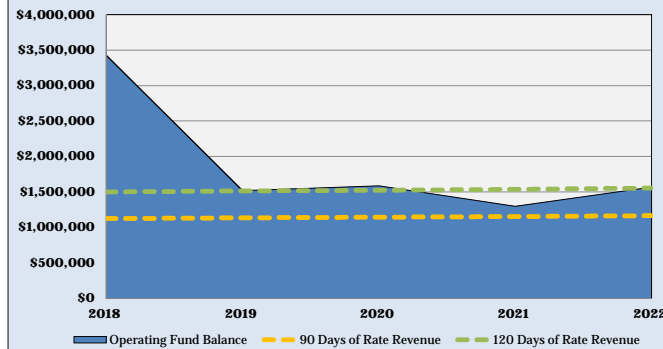
1) Projected Stormwater Revenue Requirements



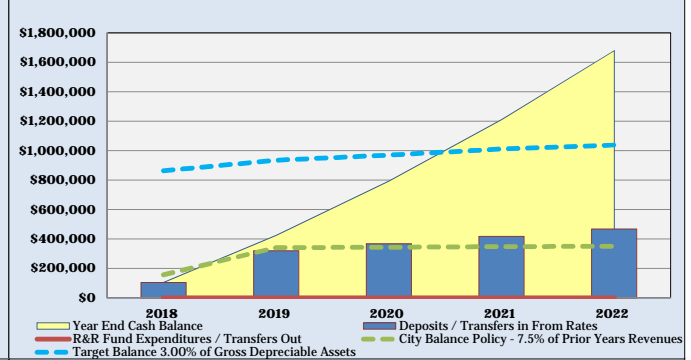
2) Net Revenue Margin



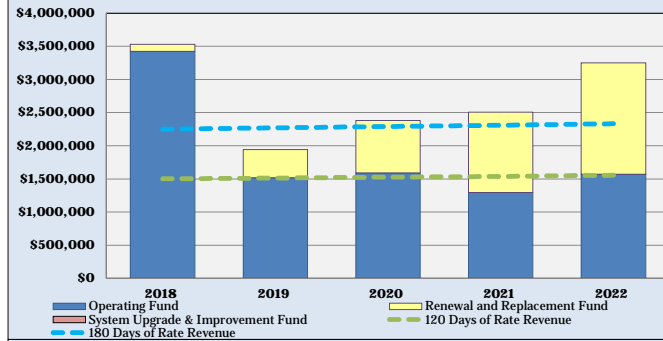
3) Operating Fund Ending Balance



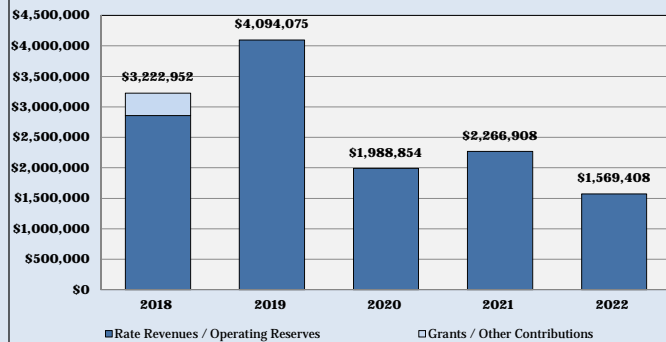
4) Renewal And Replacement Fund Ending Balance



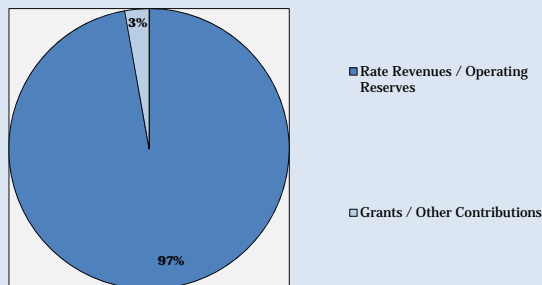
5) Unrestricted Cash Ending Balances (Operating, R&R, System Upgrade & Improvement Funds)



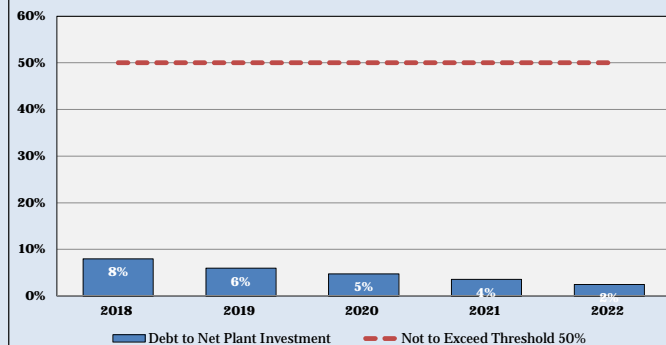
6) Capital Improvement Program Spending Plan



7) Capital Improvement Program Funding Plan



8) Debt to Net Plant Assets





Appendix 2
City of Hallandale Beach, Florida
Utility Rate Study



Stormwater System Financial Dashboards and Performance Metrics

| Description | 2018 | 2019 | 2020 | 2021 | 2022 | Description | 2018 Base | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|---------|---------|---------|---------|---------|--------------------------------------|-----------|-------------|---------------|----------|-------------|-----------|
| Recognized Revenue Adjustments: | | | | | | System Surplus / (Deficiency) | N/A | (\$463,587) | (\$1,906,730) | \$68,460 | (\$291,188) | \$272,847 |
| Stormwater Rate Increase | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | Percent of Rate Revenues | N/A | -10.3% | -41.9% | 1.5% | -6.3% | 5.8% |
| Effective Month of Increase | October | October | October | October | October | Average Residential Bill: | | | | | | |
| Cumulative Rate Adjustment | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | Stormwater Monthly Fee | \$7.37 | \$7.37 | \$7.37 | \$7.37 | \$7.37 | \$7.37 |
| | | | | | | Monthly Increase - Total | N/A | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

