

CITY OF HALLANDALE BEACH

Water, Wastewater, and Stormwater Utility Rate Study

DRAFT 1 REPORT / SEPTEMBER 21, 2022



September 21, 2022

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”) 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 seven (7) fiscal year period of October 1, 2021 through September 30, 2028 (the “Forecast Period”). Based on the assumptions relied upon in the development of the projected utility system revenues and expenditure needs, Raftelis has identified the need for water, wastewater, and 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 and proposed 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 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.

The Honorable Mayor and Members of the City Commission
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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
Manager

Joe Williams
Manager

HLT / dlc
Attachments

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EXECUTIVE SUMMARY

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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 just over approximately 41,000 residents. The City currently provides water, wastewater, and stormwater service to its residents.

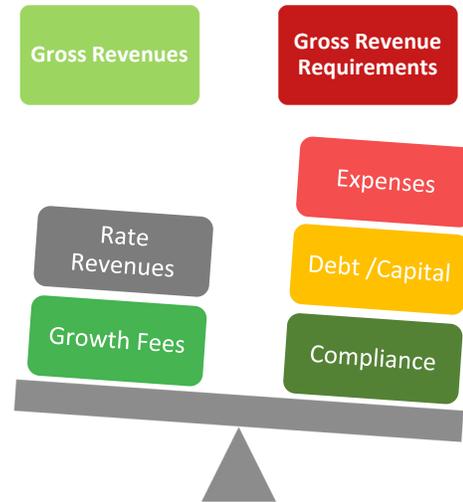
The City’s utilities provide essential services on a continual basis and operate in a regulated environment. Regulatory agencies for the utilities include the United States Environmental Protection Agency (“EPA”), the Florida Department of Environmental Protection (“FDEP”), the South Florida Water Management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

The City’s water, wastewater and stormwater utilities are established as two (2) 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 2021. To evaluate the sufficiency of the current water, wastewater, and stormwater rates, the City authorized Raftelis Financial Consultants, Inc. (“Raftelis”) to conduct a comprehensive rate analysis to estimate the adequacy of rates through Fiscal Year 2028.

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 gross 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, 2028 (i.e., Fiscal Years 2022 through 2028). 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.

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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/>
<u>= Net Revenue Requirements (Funded from User Rates)</u>

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, wastewater, and stormwater systems. The primary reasons for the rate adjustments include the following:

1. Increased operating expenses as a result of anticipated inflationary effects on the costs of labor, electricity, chemicals, fuel, and other major expenditures for the utilities. The current economic and inflationary environment has had a significant impact on utility operating and capital costs and are projected continue though diminish slowly 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.
2. The need to fund annual renewal and replacement requirements as well as significant other capital needs of each system, including capacity and infrastructure upgrades and replacements for the water and wastewater systems.
3. The need to fund significant increased annual debt service payments associated with additional borrowing to fund the various utility system's capital improvement plans.
4. The need to maintain compliance with debt service coverage ratios associated with existing and proposed future utility indebtedness.
5. The need to maintain adequate operating and capital reserves and margins to provide funds for emergencies.
6. The need to fund additional new annual intragovernmental transfers to the General Fund (e.g., payment-in-lieu-of-franchise-fees from the water and wastewater system).

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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:

Water and Wastewater Rate Adjustments

	Proposed Retail Rate Increases by Fiscal Year						
	2022 [*]	2023	2024	2025	2026	2027	2028
Water System	0.00%	40.00%	17.00%	10.00%	7.00%	5.25%	3.75%
Wastewater System	0.00%	5.25%	5.25%	5.25%	5.25%	5.25%	3.75%
Effective Date	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st

[*] The City adopted and implemented a 3.0% rate increase for the water system, a 2.0% rate increase for the wastewater system effective October 1, 2021 (i.e., the start of Fiscal Year 2022). The proposed rate increases shown are for adjustments to follow those already implemented rate changes.

Stormwater Rate Adjustments

	Proposed Retail Rate Increases by Fiscal Year					
	2022	2023	2024	2025	2026	2027
Stormwater System	N/A	10.00%	10.00%	10.00%	10.00%	10.00%
Effective Date	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st

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 Commission:

1. The City’s existing user rates for water, wastewater, and stormwater services are not 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 2023 represents a 40.00% 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 2023 represents a 5.25% increase over the existing wastewater retail rates.

4. The City should consider adopting the proposed stormwater rates as previously described in this Executive Summary. The proposed adjustment for Fiscal Year 2023 represents a 10.00% increase over the existing stormwater rates.
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 impacts of inflation as well as the cost of wholesale wastewater treatment service provided by 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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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 2028. 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, ongoing rates, 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 2022 through 2028 with the following annual adjustments:

Water and Wastewater Rate Adjustments

	Proposed Retail Rate Increases by Fiscal Year						
	2022 [*]	2023	2024	2025	2026	2027	2028
Water System	0.00%	40.00%	17.00%	10.00%	7.00%	5.25%	3.75%
Wastewater System	0.00%	5.25%	5.25%	5.25%	5.25%	5.25%	3.75%
Effective Date	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st

[*] The City adopted and implemented a 3.0% rate increase for the water system, a 2.0% rate increase for the wastewater system effective October 1, 2021 (i.e., the start of Fiscal Year 2022). 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, chemicals, fuel, and other major expenditures for the utilities. The current economic and inflationary environment has had a significant impact on utility operating and capital costs and are projected continue though diminish slowly 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.
2. The need to fund annual renewal and replacement requirements as well as significant other capital needs of each system, including capacity and infrastructure upgrades and replacements for the water and wastewater systems.
3. The need to fund significant increased annual debt service payments associated with additional borrowing to fund the various utility system’s capital improvement plans.
4. The need to maintain compliance with debt service coverage ratios associated with existing and proposed future utility indebtedness.

5. The need to maintain adequate operating and capital reserves and margins to provide funds for emergencies.
6. The need to fund additional new 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 2022 through 2028 (the “Forecast Period”).

Revenue Forecast

The City of Hallandale Beach provided water services to approximately 31,913 average units and wastewater service to approximately 30,902 average units in 2021. 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 2,655 new water and wastewater customer units will connect to the water and wastewater systems by Fiscal Year 2028. Therefore, future revenues from existing monthly user rates are assumed to increase over the Forecast Period by approximately \$1.80 million annually by Fiscal Year 2028 going from \$25.8 million to \$27.6 million.

Water rate revenues are projected for Fiscal Year 2022 at \$11.1 million and increasing to approximately \$11.9 million by Fiscal Year 2028. Wastewater rate revenues are projected for Fiscal Year 2022 at \$14.6 million and increasing to approximately \$15.7 million by Fiscal Year 2028. 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 \$1.0 million to \$1.2 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 \$33,000 in 2022 and then average \$1.0 million in Fiscal Years 2023 through 2028.

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 2022 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. During the course of the study we were also provided with an estimate of the 2023 budget and made a one-time adjustment to our projected expenditures in order to true them up to what the City was anticipating starting in 2023.
2. The operating and maintenance expenses of the water and wastewater systems for Fiscal Year 2022 are projected for the remaining six (6) years of the Forecast Period (i.e., through Fiscal Year 2028) 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 = 5.0% in 2023 and 3.5% annually thereafter.
 - b. Health Insurance = 10.0% annually.
 - c. Professional / Contractual Services = 4.0% annually.
 - d. Utility Costs = 5.0% annually.
 - e. Fuel Costs = 10.0% in 2023 and 7.0% annually thereafter.
 - f. Chemical Costs = 10.0% in 2023 and 7.0% annually thereafter.
 - g. Repairs and Maintenance Expenses = 3.0% annually.
 - h. Costs assumed to be based on projected changes in the CPI = due to the current inflationary environment and discussions with the City it was assumed that the initial years of the Forecast period would have a higher rate of inflation of 7.0% in 2023 that would slowly taper down to approximately 2.3% / 2.4% per year by 2025 and thereafter as represented in *“The Budget and Economic Outlook: An Update”* published by the Congressional Budget Office in May 2022.
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”) based on historical data provided by the City, and the rates for service charged by the City of Hollywood (assumed to increase by five percent [5%] per year), this operating cost is projected to increase from \$9.7 million in 2022 to \$13.7 million in 2028.
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 2022) through Fiscal Year 2028. 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 supply expansion projects, water plant upgrades, water main replacement and upgrades, wastewater lift station and main replacements and upgrades, and ongoing capital outlay associated with vehicles and equipment.

- 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	\$26,664,862	15%
Renewal and Replacement Fund	2,650,931	1%
Proposed New Debt	129,162,702	72%
Grants and Other Sources	21,951,272	12%
Total Capital Funding Sources	\$180,429,767	100%

[*] Amounts derived from Table 1-14.

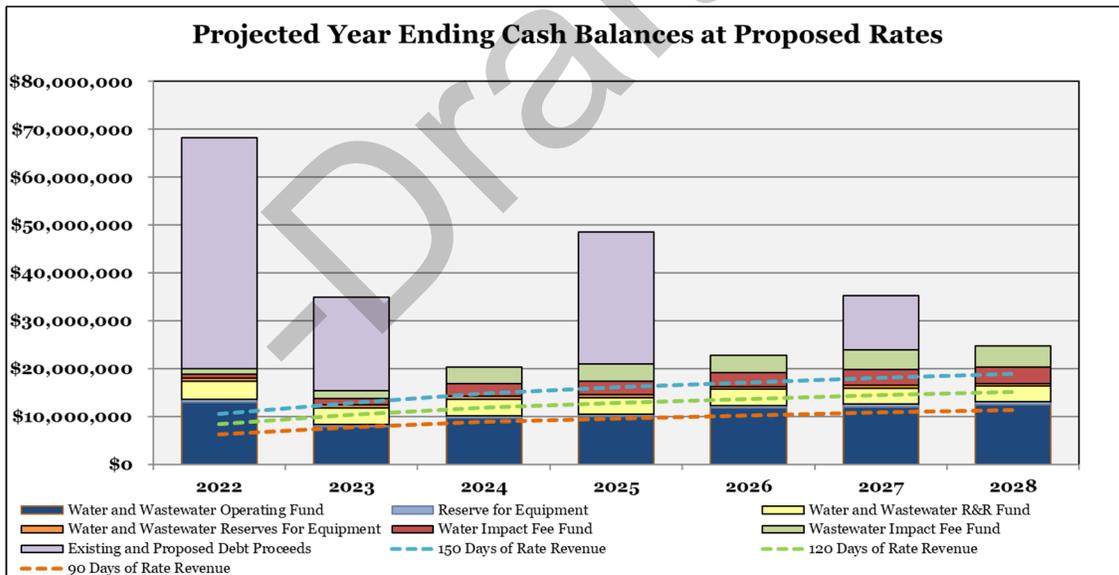
As can be seen in the table above, approximately 72% of the CIP is anticipated to be funded through the issuance of new debt in the form of revenue bonds while the remaining 28% of projects are anticipated to be funded through existing reserves, ongoing rates, and grants / other sources.

- As shown in Table 1-15, the water and wastewater systems have outstanding debt requiring annual principal and interest payments of approximately \$785,000 in 2022, decreasing to \$614,000 in 2023, decreasing further to \$216,000 in 2026 and thereafter. Such existing debt is comprised of two (2) bank loans and two (2) junior lien state revolving fund (“SRF”) loans. The reason for the decline in annual debt service payments is due to the two (2) bank loans maturing during the forecast period in Fiscal Years 2022 and 2025. 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).
- As previously stated in #5 above, in order to fund the significant amount of capital projects in the multiyear CIP additional debt issuances are projected. The CIP shown in Table 1-14 uses approximately \$129.2 million in new debt funding over the Forecast Period through three (3) new loans. Based on discussions with the City staff, the City plans to issue three (3) bonds over the Forecast Period in Fiscal Years 2023, 2025, and 2027. Based on information provided by the City’s financial advisor the terms for these bonds were developed and assumed to be 30-year terms with interest rates ranging from 4.5% to 5.5%. The incremental increase in debt service payments associated with these proposed loans start in Fiscal Year 2023 at approximately \$3.6 million per year and increase by 2027 to \$9.1 million per year.
- 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. During the forecast deposits from revenues to maintain the City’s

targeted R&R Fund balance policy are assumed at approximately \$155,000 per year for Fiscal Years 2024 through 2028. With these assumed deposits 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. 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 information provided by the City, the proposed Fiscal Year 2023 Budget will now include a Payment-in-lieu-of-franchise-fees (“PILOFF”) from the water and wastewater systems to the General Fund. This transfer is to be based on 5.6% of System revenues starting at \$1.5 million in 2023 and increasing to \$2.5 million by 2028. The calculation and projection of these amounts is shown on Table 1-17 at the end of this section.

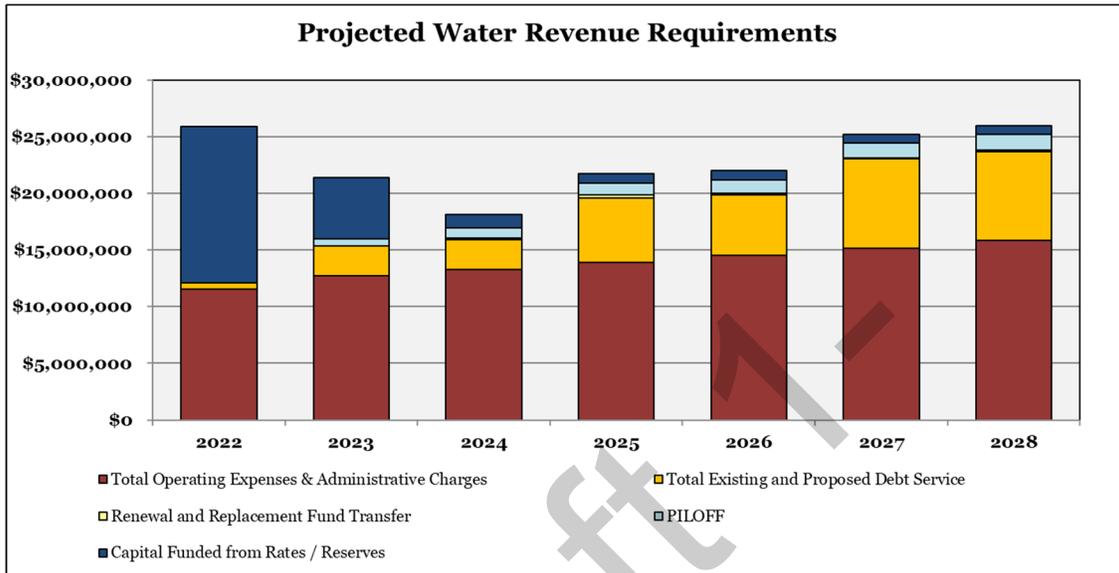
10. The water and wastewater systems are projected to have adequate cash reserves in order to meet day-to-day funding needs and any unexpected emergencies requiring immediate financial resources. Based on discussions with the City staff, a financial target of at least 120 days of annual revenues was 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:



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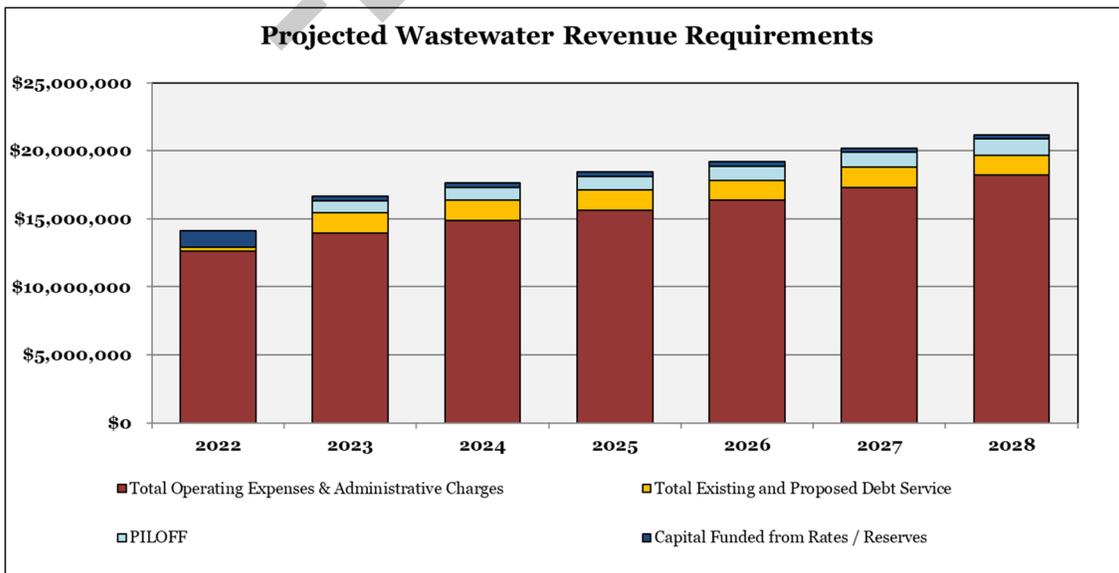
Water and Wastewater System Revenue Requirements Summary

The projected net revenue requirements through Fiscal Year 2028 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:



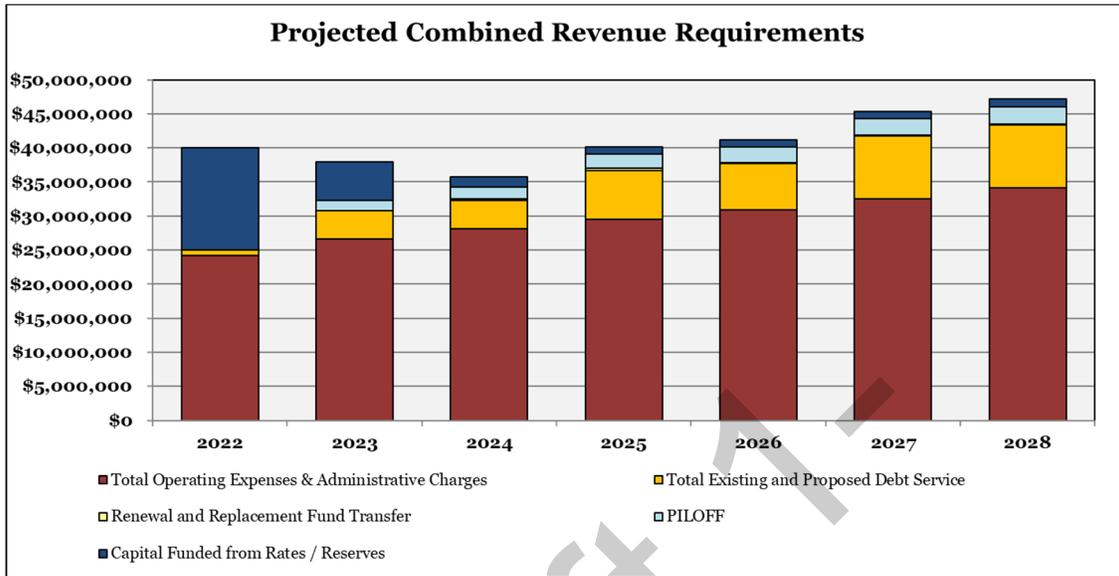
As can be seen in the summary above, the estimated gross revenue requirements (excluding capital funded from rates) for the water system for the Forecast Period are anticipated to increase by approximately 108.0% in total or 13.0% per year on average.

The corresponding net revenue requirements projected through Fiscal Year 2028 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:



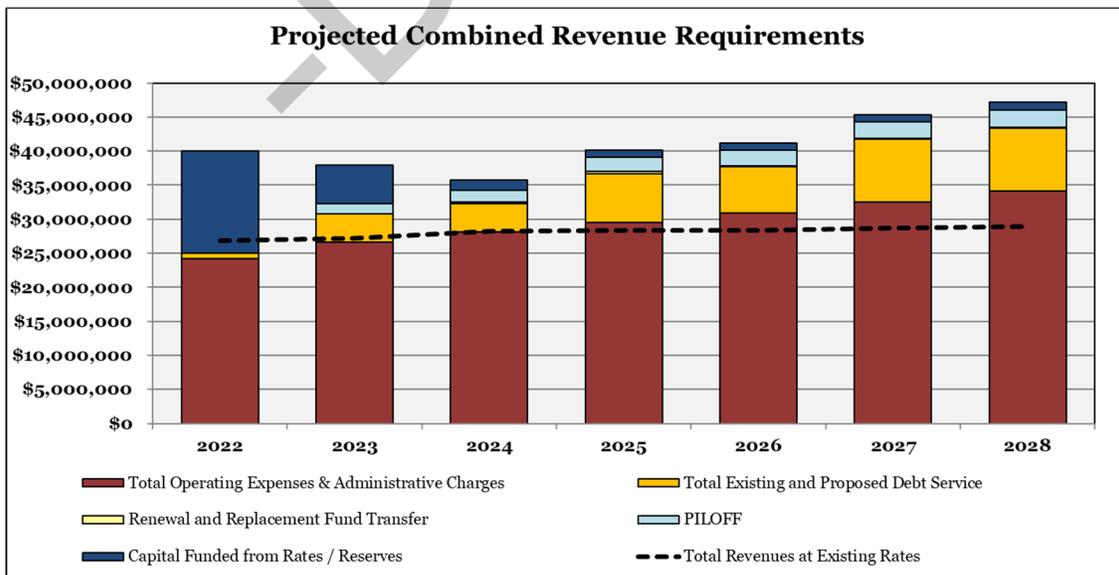
As can be seen in the above summary, the estimated gross revenue requirements for the wastewater system for the Forecast Period are anticipated to increase by approximately 50.0% in total or 7.0% per year on average.

The revenue requirements shown on a combined system basis can be seen in the chart below:



Adequacy of Existing and Proposed 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:



As can be seen above for the combined water and wastewater systems existing revenues are insufficient to recover the projected operating expenses, capital funding requirements, and debt service costs. It is

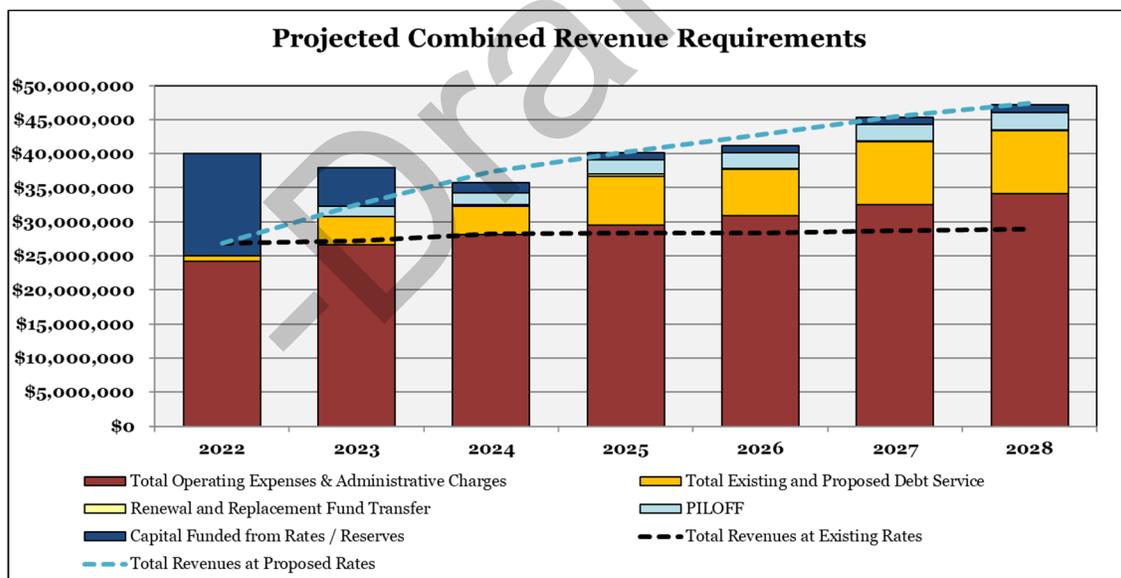
recommended for bills rendered on or after October 1 of each fiscal year that the proposed rate adjustments be implemented in order to ensure adequate funding of revenue requirements, sufficient reserves for operations and contingency, compliance with loan covenants. Below is a summary of the proposed rate adjustments for the Forecast Period.

Water and Wastewater Rate Adjustments

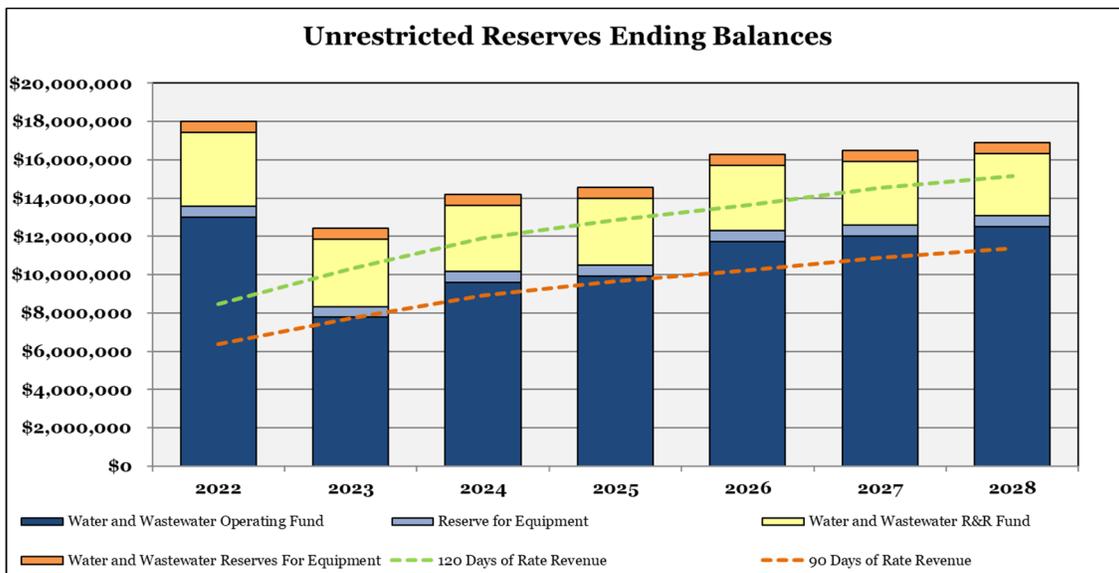
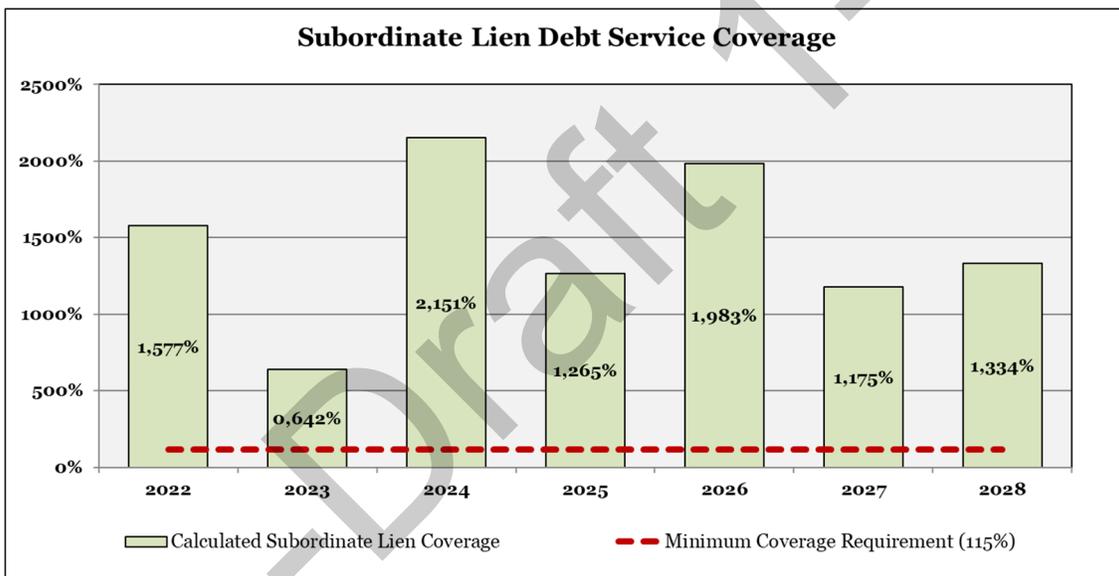
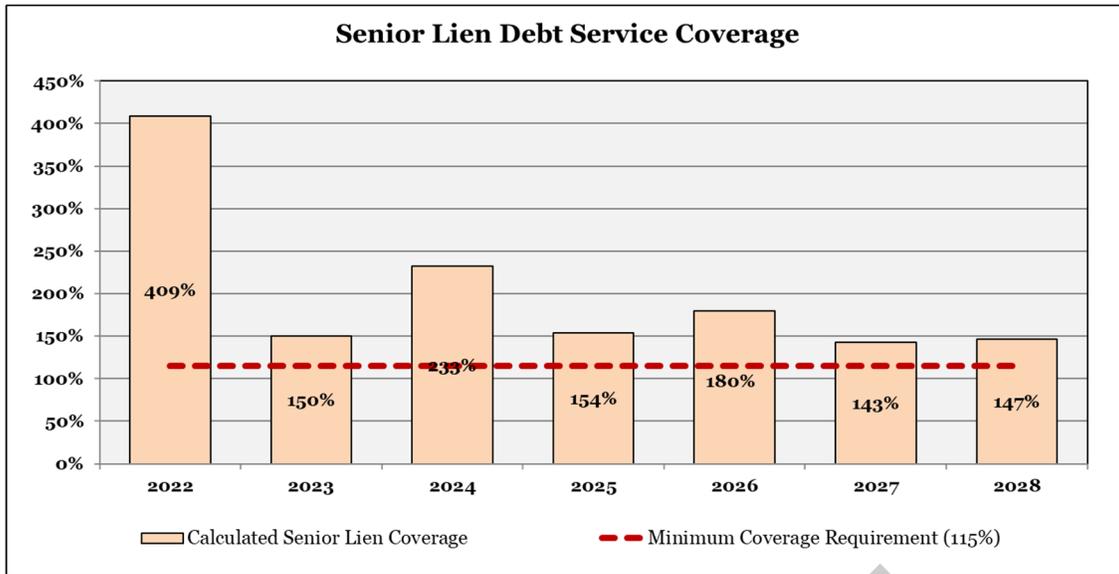
	Proposed Retail Rate Increases by Fiscal Year						
	2022 [*]	2023	2024	2025	2026	2027	2028
Water System	0.00%	40.00%	17.00%	10.00%	7.00%	5.25%	3.75%
Wastewater System	0.00%	5.25%	5.25%	5.25%	5.25%	5.25%	3.75%
Effective Date	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st	Oct. 1 st

[*] The City adopted and implemented a 3.0% rate increase for the water system, a 2.0% rate increase for the wastewater system effective October 1, 2021 (i.e., the start of Fiscal Year 2022). The proposed rate increases shown are for adjustments to follow those already implemented rate changes.

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 as can be seen on the following four (4) charts.



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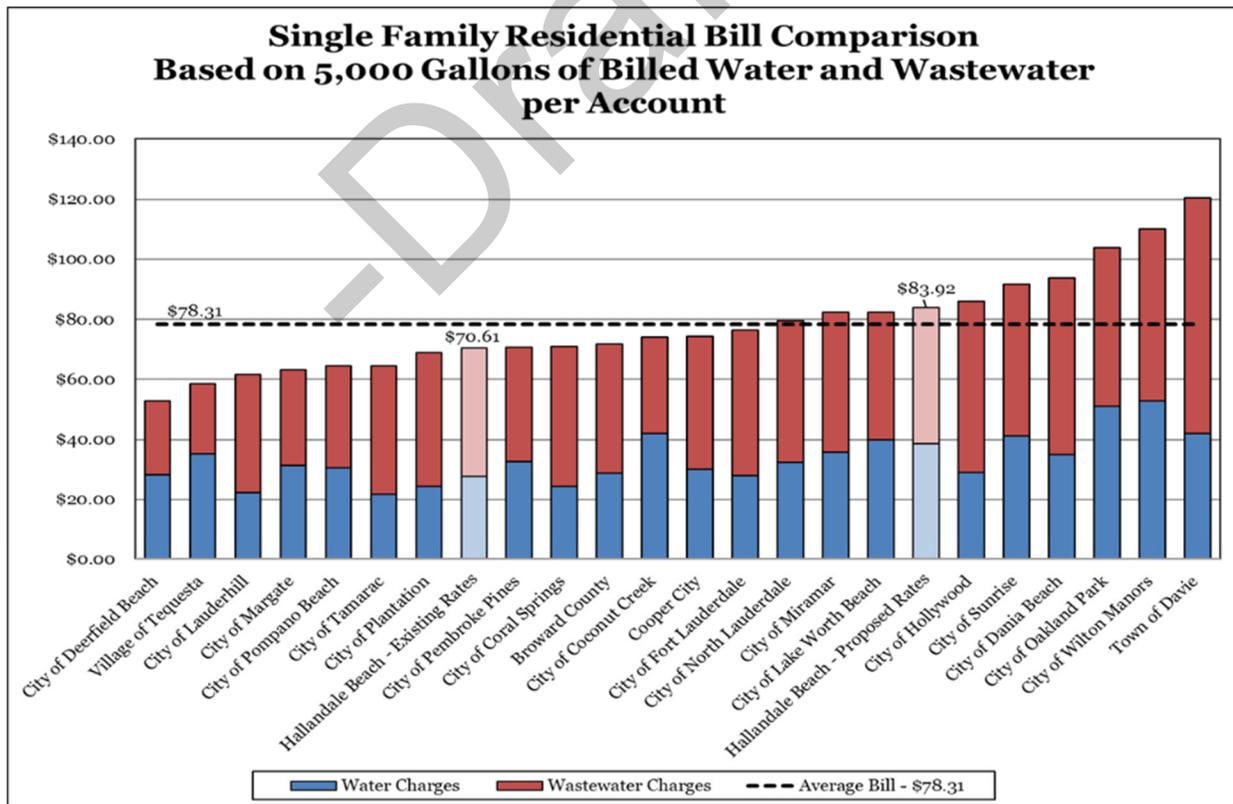


Debt Service Compliance

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.

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. 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, 2023 are generally competitive with other residential charges for neighboring utilities, as shown below:



List of Tables and Appendices

<u>Table Number</u>	<u>Table Description</u>
1-1	Summary of Projected Water Customer Growth and Billing Determinants
1-2	Summary of Projected Wastewater Customer Growth and Billing Determinants
1-3	Projected Water Revenues at Existing Rates
1-4	Projected Wastewater Revenues at Existing Rates
1-5	Projected Other Operating Revenues
1-6	Projected Water and Wastewater Impact Fee Revenues
1-7	Fiscal Year 2022 Budgeted Water Operating Expenses
1-8	Fiscal Year 2022 Budgeted Wastewater Operating Expenses
1-9	Projected Water Operating Expenses
1-10	Projected Wastewater Operating Expenses
1-11	Summary of Projected Water and Wastewater System Expense Escalation Factors
1-12	Allocation References
1-13	Projected Bulk Sewer Service Costs
1-14	Projected Capital Funding Program
1-15	Existing and Projected Debt Service Payments
1-16	Projected Transfers to the Renewal and Replacement Fund
1-17	Project of Payment in Lieu of Franchise Fees
1-18	Projected Water Revenue Requirements
1-19	Projected Wastewater Revenue Requirements
1-20	Projected Water and Wastewater Revenue Requirements
1-21	Projected Available Water Fund Balances and Interest Earnings
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1-23	Projected Debt Service Coverage
1-24	Comparison of Typical Monthly Residential Bills for Water Service
1-25	Comparison of Typical Monthly Residential Bills for Wastewater Service
1-26	Comparison of Typical Monthly Residential Bills for Combined Water and Wastewater Service

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]	Projected Fiscal Year Ending September 30,						
		2021	2022	2023	2024	2025	2026	2027	2028
WATER SYSTEM									
<u>Water Service</u>									
Single Family									
1	Annual Average Units	5,020	5,032	5,173	5,209	5,233	5,245	5,257	5,269
2	Average Growth in Accounts	N/A	10	119	30	20	10	10	10
3	Annual Average Accounts	4,201	4,211	4,330	4,360	4,380	4,390	4,400	4,410
4	Average Monthly Use per Account (Gallons)	5,206	5,204	5,186	5,182	5,179	5,178	5,176	5,175
5	Average Monthly Use per Unit (Gallons)	4,357	4,355	4,341	4,338	4,335	4,334	4,333	4,332
6	Total Projected Consumption (000s)	262,446	262,993	269,499	271,140	272,233	272,780	273,327	273,873
Multi-Family									
7	Annual Average Units	23,405	23,404	23,654	24,003	24,081	24,081	24,494	24,652
8	Average Growth in Accounts	N/A	0	3	3	1	0	2	1
9	Annual Average Accounts	1,004	1,004	1,007	1,010	1,011	1,011	1,013	1,014
10	Average Monthly Use per Account (Gallons)	86,595	86,595	87,191	88,120	88,299	88,299	89,527	89,974
11	Average Monthly Use per Unit (Gallons)	3,713	3,714	3,711	3,707	3,706	3,706	3,701	3,700
12	Total Projected Consumption (000s)	1,042,947	1,042,947	1,053,263	1,067,666	1,070,885	1,070,885	1,087,929	1,094,449
Commercial									
13	Annual Average Units	2,455	2,458	2,521	3,562	3,565	3,568	3,571	3,613
14	Average Growth in Accounts	N/A	2	3	2	2	2	2	3
15	Annual Average Accounts	739	741	744	746	748	750	752	755
16	Average Monthly Use per Account (Gallons)	28,553	28,486	28,501	30,526	30,454	30,381	30,310	30,276
17	Average Monthly Use per Unit (Gallons)	8,598	8,588	8,412	6,394	6,390	6,387	6,384	6,327
18	Total Projected Consumption (000s)	253,240	253,322	254,487	273,299	273,381	273,464	273,546	274,332
City									
19	Annual Average Units	22	23	23	23	23	23	23	23
20	Average Growth in Accounts	N/A	0	0	0	0	0	0	0
21	Annual Average Accounts	21	21	21	21	21	21	21	21
22	Average Monthly Use per Account (Gallons)	15,443	15,443	15,443	15,443	15,443	15,443	15,443	15,443
23	Average Monthly Use per Unit (Gallons)	14,754	14,380	14,380	14,380	14,380	14,380	14,380	14,380
24	Total Projected Consumption (000s)	3,969	3,969	3,969	3,969	3,969	3,969	3,969	3,969
Total Water Service									
25	Annual Average Units	30,902	30,917	31,371	32,797	32,902	32,917	33,345	33,557
26	Average Growth in Accounts	N/A	12	125	35	23	12	14	14
27	Annual Average Accounts	5,966	5,978	6,103	6,138	6,161	6,173	6,187	6,201
28	Average Monthly Use per Account (Gallons)	21,828	21,793	21,593	21,943	21,920	21,886	22,075	22,130
29	Average Monthly Use per Unit (Gallons)	4,214	4,214	4,200	4,106	4,104	4,104	4,095	4,089
30	Total Projected Consumption (000s)	1,562,601	1,563,231	1,581,219	1,616,073	1,620,468	1,621,097	1,638,770	1,646,623

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]	Projected Fiscal Year Ending September 30,						
		2021	2022	2023	2024	2025	2026	2027	2028
Multi-Family									
91	Annual Average Units	55	55	55	55	55	55	55	55
92	Average Growth in Accounts	0	0	0	0	0	0	0	0
93	Annual Average Accounts	55	55	55	55	55	55	55	55
94	Average Monthly Use per Account (Gallons)	4,073	4,073	4,073	4,073	4,073	4,073	4,073	4,073
95	Average Monthly Use per Unit (Gallons)	4,073	4,073	4,073	4,073	4,073	4,073	4,073	4,073
96	Total Projected Consumption (000s)	2,688	2,688	2,688	2,688	2,688	2,688	2,688	2,688
Commercial									
97	Annual Average Units	90	90	90	90	90	90	90	90
98	Average Growth in Accounts	0	0	0	0	0	0	0	0
99	Annual Average Accounts	90	90	90	90	90	90	90	90
100	Average Monthly Use per Account (Gallons)	6,466	6,466	6,466	6,466	6,466	6,466	6,466	6,466
101	Average Monthly Use per Unit (Gallons)	6,466	6,466	6,466	6,466	6,466	6,466	6,466	6,466
102	Total Projected Consumption (000s)	6,983	6,983	6,983	6,983	6,983	6,983	6,983	6,983
City									
103	Annual Average Units	3	3	3	3	3	3	3	3
104	Average Growth in Accounts	0	0	0	0	0	0	0	0
105	Annual Average Accounts	3	3	3	3	3	3	3	3
106	Average Monthly Use per Account (Gallons)	778	778	778	778	778	778	778	778
107	Average Monthly Use per Unit (Gallons)	778	778	778	778	778	778	778	778
108	Total Projected Consumption (000s)	28	28	28	28	28	28	28	28
Total Fireline Service									
109	Annual Average Units	167	167	167	167	167	167	167	167
110	Average Growth in Accounts	0	0	0	0	0	0	0	0
111	Annual Average Accounts	167	167	167	167	167	167	167	167
112	Average Monthly Use per Account (Gallons)	5,110	5,110	5,110	5,110	5,110	5,110	5,110	5,110
113	Average Monthly Use per Unit (Gallons)	5,110	5,110	5,110	5,110	5,110	5,110	5,110	5,110
114	Total Projected Consumption (000s)	10,240	10,240	10,240	10,240	10,240	10,240	10,240	10,240
TOTAL WATER SYSTEM									
115	Annual Average Units	31,913	31,928	32,382	33,808	33,913	33,928	34,356	34,568
116	Average Growth in Accounts	N/A	12	125	35	23	12	14	14
117	Annual Average Accounts	6,868	6,880	7,005	7,040	7,063	7,075	7,089	7,103
118	Average Monthly Use per Account (Gallons)	24,460	24,425	24,203	24,495	24,467	24,433	24,593	24,636
119	Average Monthly Use per Unit (Gallons)	5,264	5,263	5,236	5,101	5,096	5,095	5,075	5,062
120	Total Projected Consumption (000s)	2,015,879	2,016,508	2,034,497	2,069,351	2,073,745	2,074,375	2,092,048	2,099,901

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]	Projected Fiscal Year Ending September 30,						
		2021	2022	2023	2024	2025	2026	2027	2028
WASTEWATER SYSTEM									
<u>Wastewater Service</u>									
Single Family									
1	Annual Average Units	5,020	5,032	5,173	5,209	5,233	5,245	5,257	5,269
2	Average Growth in Accounts	N/A	10	119	30	20	10	10	10
3	Annual Average Accounts	4,202	4,212	4,331	4,361	4,381	4,391	4,401	4,411
4	Average Monthly Use per Account (Gallons)	5,205	5,204	5,186	5,181	5,179	5,177	5,176	5,174
5	Average Monthly Use per Unit (Gallons)	4,357	4,355	4,341	4,338	4,335	4,334	4,333	4,332
6	Total Projected Consumption (000s)	262,446	262,993	269,499	271,140	272,233	272,780	273,327	273,873
Multi-Family									
7	Annual Average Units	23,405	23,404	23,654	24,003	24,081	24,081	24,494	24,652
8	Average Growth in Accounts	N/A	0	3	3	1	0	2	1
9	Annual Average Accounts	1,004	1,004	1,007	1,010	1,011	1,011	1,013	1,014
10	Average Monthly Use per Account (Gallons)	86,595	86,595	87,191	88,120	88,299	88,299	89,527	89,974
11	Average Monthly Use per Unit (Gallons)	3,713	3,714	3,711	3,707	3,706	3,706	3,701	3,700
12	Total Projected Consumption (000s)	1,042,947	1,042,947	1,053,263	1,067,666	1,070,885	1,070,885	1,087,929	1,094,449
Commercial									
13	Annual Average Units	2,455	2,458	2,521	3,562	3,565	3,568	3,571	3,613
14	Average Growth in Accounts	N/A	2	3	2	2	2	2	3
15	Annual Average Accounts	739	741	744	746	748	750	752	755
16	Average Monthly Use per Account (Gallons)	28,553	28,486	28,501	30,526	30,454	30,381	30,310	30,276
17	Average Monthly Use per Unit (Gallons)	8,598	8,588	8,412	6,394	6,390	6,387	6,384	6,327
18	Total Projected Consumption (000s)	253,240	253,322	254,487	273,299	273,381	273,464	273,546	274,332
City									
19	Annual Average Units	22	23	23	23	23	23	23	23
20	Average Growth in Accounts	N/A	0	0	0	0	0	0	0
21	Annual Average Accounts	21	21	21	21	21	21	21	21
22	Average Monthly Use per Account (Gallons)	15,443	15,443	15,443	15,443	15,443	15,443	15,443	15,443
23	Average Monthly Use per Unit (Gallons)	14,754	14,380	14,380	14,380	14,380	14,380	14,380	14,380
24	Total Projected Consumption (000s)	3,969	3,969	3,969	3,969	3,969	3,969	3,969	3,969
Total Wastewater Service									
25	Annual Average Units	30,902	30,917	31,371	32,797	32,902	32,917	33,345	33,557
26	Average Growth in Accounts	N/A	12	125	35	23	12	14	14
27	Annual Average Accounts	5,966	5,978	6,103	6,138	6,161	6,173	6,187	6,201
28	Average Monthly Use per Account (Gallons)	21,827	21,792	21,591	21,941	21,919	21,885	22,073	22,129
29	Average Monthly Use per Unit (Gallons)	4,214	4,214	4,200	4,106	4,104	4,104	4,095	4,089
30	Total Projected Consumption (000s)	1,562,601	1,563,231	1,581,219	1,616,073	1,620,468	1,621,097	1,638,770	1,646,623

Footnotes:

[1] Amounts based on detailed billing statistics as provided by the City, which were reconciled against the actual 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]		Projected Fiscal Year Ending September 30,					
		2021	2022	2023	2024	2025	2026	2027	2028
WATER SYSTEM									
<u>Water Service</u>									
1	Single Family	\$1,641,595	\$1,694,682	\$1,740,384	\$1,752,023	\$1,759,782	\$1,763,662	\$1,767,542	\$1,771,421
2	Multi-Family	7,198,679	7,414,261	7,493,942	7,605,176	7,630,036	7,630,036	7,761,668	7,812,026
3	Commercial	1,162,238	1,197,883	1,216,878	1,529,955	1,530,908	1,531,860	1,532,813	1,545,492
4	City	14,714	15,301	15,301	15,301	15,301	15,301	15,301	15,301
5	Total Water Service	\$10,017,226	\$10,322,128	\$10,466,505	\$10,902,455	\$10,936,027	\$10,940,859	\$11,077,324	\$11,144,241
<u>Sprinkler Service (Irrigation)</u>									
6	Single Family	\$158,869	\$163,595	\$163,595	\$163,595	\$163,595	\$163,595	\$163,595	\$163,595
7	Multi-Family	281,158	289,135	289,135	289,135	289,135	289,135	289,135	289,135
8	Commercial	222,583	229,164	229,164	229,164	229,164	229,164	229,164	229,164
9	City	49,803	51,275	51,275	51,275	51,275	51,275	51,275	51,275
10	Total Sprinkler Service	\$712,414	\$733,168	\$733,168	\$733,168	\$733,168	\$733,168	\$733,168	\$733,168
<u>Cooling Tower Service</u>									
11	Single Family	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	Multi-Family	161,688	166,286	166,286	166,286	166,286	166,286	166,286	166,286
13	Commercial	28,921	29,779	29,779	29,779	29,779	29,779	29,779	29,779
14	Total Cooling Tower Service	\$190,609	\$196,065	\$196,065	\$196,065	\$196,065	\$196,065	\$196,065	\$196,065
15	Total Pool Service	\$32,069	\$33,015	\$33,015	\$33,015	\$33,015	\$33,015	\$33,015	\$33,015
<u>Fireline Service</u>									
16	Single Family	\$5,448	\$6,191	\$6,191	\$6,191	\$6,191	\$6,191	\$6,191	\$6,191
17	Multi-Family	20,193	20,796	20,796	20,796	20,796	20,796	20,796	20,796
18	Commercial	40,610	41,820	41,820	41,820	41,820	41,820	41,820	41,820
19	City	793	817	817	817	817	817	817	817
20	Total Water Service	\$67,044	\$69,625	\$69,625	\$69,625	\$69,625	\$69,625	\$69,625	\$69,625
21	SUB-TOTAL WATER SYSTEM	\$11,019,362	\$11,354,001	\$11,498,378	\$11,934,329	\$11,967,901	\$11,972,733	\$12,109,197	\$12,176,114
22	ADJUSTMENT TO REVENUE: -1.93%	(\$213,000)	(\$219,468)	(\$222,259)	(\$230,686)	(\$231,335)	(\$231,428)	(\$234,066)	(\$235,360)
23	TOTAL WATER REVENUES	\$10,806,362	\$11,134,533	\$11,276,119	\$11,703,643	\$11,736,566	\$11,741,304	\$11,875,131	\$11,940,755

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

Projected Wastewater Revenues at Existing Rates

Line No.	Description	Projected Fiscal Year Ending September 30.							
		Historical [1] 2021	2022	2023	2024	2025	2026	2027	2028
WASTEWATER SYSTEM									
<u>Wastewater Service</u>									
1	Single Family	\$2,410,376	\$2,463,862	\$2,528,661	\$2,545,111	\$2,556,078	\$2,561,562	\$2,567,045	\$2,572,529
2	Multi-Family	10,308,803	10,513,067	10,622,615	10,775,545	10,809,725	10,809,725	10,990,699	11,059,934
3	Commercial	1,851,415	1,891,190	1,912,995	2,271,217	2,272,383	2,273,549	2,274,715	2,289,296
4	City	25,394	26,076	26,076	26,076	26,076	26,076	26,076	26,076
5	SUB-TOTAL WASTEWATER SYSTEM	\$14,595,987	\$14,894,195	\$15,090,348	\$15,617,950	\$15,664,262	\$15,670,911	\$15,858,535	\$15,947,835
6	ADJUSTMENT TO REVENUE: -1.71%	(\$250,000)	(\$255,108)	(\$258,467)	(\$267,504)	(\$268,297)	(\$268,411)	(\$271,625)	(\$273,154)
7	TOTAL WASTEWATER REVENUES	\$14,345,987	\$14,639,087	\$14,831,880	\$15,350,446	\$15,395,964	\$15,402,500	\$15,586,910	\$15,674,680

Footnotes:

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

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

Projected Other Operating Revenues

Line No.	Description	Adjusted [1] 2022	Escalation Reference	Fiscal Year Ending September 30,					
				2023	2024	2025	2026	2027	2028
Water System									
<u>Other Revenues</u>									
1	Grease Trap Inspections	\$0	Constant	\$0	\$0	\$0	\$0	\$0	\$0
2	Connection Charges	60,000	Cust-Water	65,366	68,978	70,795	72,546	74,434	76,371
3	Water Service Penalties	108,000	Constant	108,000	108,000	108,000	108,000	108,000	108,000
4	Service Charges	100,000	Constant	100,000	100,000	100,000	100,000	100,000	100,000
5	Fire Line Rental	22,903	Constant	22,903	22,903	22,903	22,903	22,903	22,903
6	Fire Line Inspection Fee	18,600	Constant	18,600	18,600	18,600	18,600	18,600	18,600
7	Service Charges - Misc.	380	Constant	380	380	380	380	380	380
8	Sewer Service Penalties	0	Constant	0	0	0	0	0	0
9	Admin Charge - CRA Fund	0	Constant	0	0	0	0	0	0
10	Admin Charge - Sanitation Fund	143,187	Personnel	150,346	155,608	161,055	166,692	172,526	178,564
11	Admin Charge - Cemetery Fund	12,070	Personnel	12,674	13,117	13,576	14,051	14,543	15,052
12	Admin Charge - Stormwater	406,837	Personnel	427,179	442,130	457,605	473,621	490,198	507,354
13	FDEP	0	Constant	0	0	0	0	0	0
14	Interest Income - Main Pool	0	Eliminate	0	0	0	0	0	0
15	Interest Income - Investments	0	Eliminate	0	0	0	0	0	0
16	Realized Gain/Loss	0	Eliminate	0	0	0	0	0	0
17	Unrealized Gain/Loss	0	Eliminate	0	0	0	0	0	0
18	Sale of Broken Meters	0	Eliminate	0	0	0	0	0	0
19	Other Miscellaneous Revenue - MIT SSI Phase X	0	Constant	0	0	0	0	0	0
20	Prior Year Revenue Adjustment	0	Eliminate	0	0	0	0	0	0
21	Miscellaneous Revenue - Other	0	Constant	0	0	0	0	0	0
22	Appropriations from Unappropriated Surplus - O&M	0	Eliminate	0	0	0	0	0	0
23	Reappropriation of Fund Balance	0	Eliminate	0	0	0	0	0	0
24	Gain on Bond Refunding	0	Eliminate	0	0	0	0	0	0
25	Sale of Fixed Assets	0	Eliminate	0	0	0	0	0	0
26	Gain / Loss on Asset Disposal	0	Eliminate	0	0	0	0	0	0
27	Accrued Guaranteed Revenue Charge - Residential	0	Eliminate	0	0	0	0	0	0
27	Residential - Impact Fees	0	Eliminate	0	0	0	0	0	0
28	Bad Debt Expense	0	Eliminate	0	0	0	0	0	0
29	Total Water System Other Revenues	\$871,977		\$905,448	\$929,716	\$952,913	\$976,793	\$1,001,584	\$1,027,225
				\$9	\$11	\$13	\$15	\$17	\$19
Wastewater System									
<u>Other Revenues</u>									
30	Grease Trap Inspections	\$14,100	Constant	\$14,100	\$14,100	\$14,100	\$14,100	\$14,100	\$14,100
31	Connection Charges	0	SCustGrowth	0	0	0	0	0	0
32	Water Service Penalties	0	Constant	0	0	0	0	0	0
33	Service Charges	0	Constant	0	0	0	0	0	0
34	Fire Line Rental	0	Constant	0	0	0	0	0	0
35	Fire Line Inspection Fee	0	Constant	0	0	0	0	0	0
36	Service Charges - Misc.	0	Constant	0	0	0	0	0	0
37	Sewer Service Penalties	185,400	Constant	185,400	185,400	185,400	185,400	185,400	185,400
38	Admin Charge - CRA Fund	0	Constant	0	0	0	0	0	0
39	Admin Charge - Sanitation Fund	0	Constant	0	0	0	0	0	0
40	Admin Charge - Cemetery Fund	0	Constant	0	0	0	0	0	0
41	Admin Charge - Stormwater	0	Constant	0	0	0	0	0	0
42	FDEP	0	Constant	0	0	0	0	0	0
43	Interest Income - Main Pool	0	Eliminate	0	0	0	0	0	0
44	Interest Income - Investments	0	Eliminate	0	0	0	0	0	0
45	Realized Gain/Loss	0	Eliminate	0	0	0	0	0	0
46	Unrealized Gain/Loss	0	Eliminate	0	0	0	0	0	0
47	Sale of Broken Meters	0	Eliminate	0	0	0	0	0	0
48	Other Miscellaneous Revenue - MIT SSI Phase X	0	Constant	0	0	0	0	0	0
49	Prior Year Revenue Adjustment	0	Eliminate	0	0	0	0	0	0
50	Miscellaneous Revenue - Other	0	Constant	0	0	0	0	0	0
51	Appropriations from Unappropriated Surplus - O&M	0	Eliminate	0	0	0	0	0	0
52	Reappropriation of Fund Balance	0	Eliminate	0	0	0	0	0	0
53	Gain on Bond Refunding	0	Eliminate	0	0	0	0	0	0
54	Sale of Fixed Assets	0	Eliminate	0	0	0	0	0	0
55	Gain / Loss on Asset Disposal	0	Eliminate	0	0	0	0	0	0
56	Accrued Guaranteed Revenue Charge - Residential	0	Eliminate	0	0	0	0	0	0
56	Residential - Impact Fees	0	Eliminate	0	0	0	0	0	0
57	Bad Debt Expense	0	Eliminate	0	0	0	0	0	0
58	Total Wastewater System Other Revenues	\$199,500		\$199,500	\$199,500	\$199,500	\$199,500	\$199,500	\$199,500
59	Total System Other Revenues	\$1,071,477		\$1,104,948	\$1,129,216	\$1,152,413	\$1,176,293	\$1,201,084	\$1,226,725

Footnotes:

[1] Values for FY 2022 derived from the adopted Fiscal Year 2022 Budget as provided by the City and adjusted to reflect regular recurring revenues.

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

Projected Water and Wastewater Impact Fee Revenues

Line No.	Description	Historical					Projected Fiscal Year Ending September 30, [1]						
		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
WATER SYSTEM													
1	Impact Fee Per ERU	\$1,318	\$1,318	\$1,318	\$1,318	\$1,318	\$1,318	\$1,318	\$1,318	\$1,318	\$1,318	\$1,318	\$1,318
2	Projected New ERU's	330.4	226.1	184.8	271.3	25.1	14.8	454.0	1,426.0	105.0	15.0	428.0	212.0
3	Subtotal	\$435,437	\$298,057	\$243,548	\$357,536	\$33,050	\$19,441	\$598,372	\$1,879,468	\$138,390	\$19,770	\$564,104	\$279,416
4	Percent Prepaid	0.00%	0.00%	0.00%	0.00%	0.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%
5	Amount Prepaid	0	0	0	0	0	(4,860)	(149,593)	(469,867)	(34,598)	(4,943)	(141,026)	(69,854)
6	Other Adjustments to 2022 Budget	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Total Water System	\$435,437	\$298,057	\$243,548	\$357,536	\$33,050	\$14,580	\$448,779	\$1,409,601	\$103,793	\$14,828	\$423,078	\$209,562
WASTEWATER SYSTEM													
8	Impact Fee Per ERU	\$1,672	\$1,672	\$1,672	\$1,672	\$1,672	\$1,672	\$1,672	\$1,672	\$1,672	\$1,672	\$1,672	\$1,672
9	Projected New ERU's	313.2	194.4	692.4	275.2	30.0	14.8	454.0	1,426.0	105.0	15.0	428.0	212.0
10	Subtotal	\$523,737	\$325,076	\$1,157,643	\$460,107	\$50,103	\$24,662	\$759,088	\$2,384,272	\$175,560	\$25,080	\$715,616	\$354,464
11	Percent Prepaid	0.00%	0.00%	0.00%	0.00%	0.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%
12	Amount Prepaid	0	0	0	0	0	(6,166)	(189,772)	(596,068)	(43,890)	(6,270)	(178,904)	(88,616)
13	Other Adjustments to 2022 Budget	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	Total Wastewater System	\$523,737	\$325,076	\$1,157,643	\$460,107	\$50,103	\$18,497	\$569,316	\$1,788,204	\$131,670	\$18,810	\$536,712	\$265,848
15	TOTAL SYSTEM	\$959,174	\$623,133	\$1,401,191	\$817,642	\$83,153	\$33,077	\$1,018,095	\$3,197,805	\$235,463	\$33,638	\$959,790	\$475,410

Footnotes:

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

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

Fiscal Year 2022 Budgeted Water Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
	3310W			Water Administration			
				<u>Personnel Costs</u>			
1	3310W	512000		Regular Salaries and Wages	\$1,159,442	\$0	\$1,159,442
2	3310W	514000		Overtime Pay	1,350	0	1,350
3	3310W	515150		Auto and Travel Allowances	480	0	480
4	3310W	515155		Phone Allowance	5,036	0	5,036
5	3310W	515250		Payouts - Civil Service	0	0	0
6	3310W	515200		Sick Leave Buyback	0	0	0
7	3310W	515300		Payouts - Sick Leave	0	0	0
8	3310W	515350		Payouts - Vacation Pay	0	0	0
9	3310W	521050		Taxes - Social Security	65,134	0	65,134
10	3310W	521100		Taxes - Medicare	15,281	0	15,281
11	3310W	522150		Pensions - General Employees	102,653	0	102,653
12	3310W	522201		Pensions - FRS	95,052	0	95,052
13	3310W	522200		Pensions - ICMA 401a	0	0	0
14	3310W	522250		Pensions - OPEB	0	0	0
15	3310W	522300		Pensions - 401a Match Program	10,384	0	10,384
16	3310W	522350		Pensions - Retirement Health	0	0	0
17	3310W	523050		Health Insurance	189,537	0	189,537
18	3310W	523100		Dental Insurance	8,877	0	8,877
19	3310W	523150		Life Insurance	1,061	0	1,061
20	3310W	523200		Long-term Disability Insurance	851	0	851
21	3310W	524000		Workers' Compensation	16,745	0	16,745
22				Total Personnel Costs	\$1,671,883	\$0	\$1,671,883
				<u>Operating Services</u>			
23	3310W	531010	P2117	Professional Services	\$80,000	\$0	\$80,000
24	3310W	531010	P2142	Professional Services	340,000	(340,000)	0
25	3310W	531010		Professional Services	35,000	0	35,000
26	3310W	531010	P1715	Professional Services	0	0	0
27	3310W	534010	P1715	Outside Services	15,077	0	15,077
28	3310W	534010	P2013	Outside Services	22,525	0	22,525
29	3310W	534010		Outside Services	300,207	0	300,207
30	3310W	534040		Special Events	7,900	0	7,900
31	3310W	541010		Phone and Communications	0	0	0
32	3310W	544010		Uniforms	0	0	0
33	3310W	544020		Copiers/Office Equip Leases	0	0	0
34	3310W	546060		Computer Software Maint	0	0	0
35	3310W	546090		Office Equipment	1,800	0	1,800
36	3310W	548020		Promotional Supplies	1,800	0	1,800
37	3310W	549990		Working Reserves	560,346	(560,346)	0
38	3310W	551000		Office Supplies	3,600	0	3,600
39	3310W	552050		Medical Supplies	180	0	180
40	3310W	552070		Small Furniture & Fixture	15,000	0	15,000
41	3310W	552150		Motor Vehicle Fuel	2,000	0	2,000
42	3310W	552170		Computer Equipment and Supplies	4,580	0	4,580
43	3310W	552200		Uniforms / Protective Clothing	2,260	0	2,260
44	3310W	552210		Building Materials/Supplies	0	0	0
45	3310W	552270	HUR25	Emergency Prep & Recovery	0	0	0
46	3310W	552250		Machinery & Equip. Parts	15,000	0	15,000
47	3310W	552250		Machinery Parts	0	0	0
48	3310W	552250	P1715	Machinery Parts	55,000	0	55,000
49	3310W	552300		Engineering Supplies	0	0	0
50	3310W	552300		Drafting Supplies	1,350	0	1,350
51	3310W	554010		Books and Publications	0	0	0
52	3310W	554030		Dues and Memberships	19,604	0	19,604
53	3310W	555020		Meetings and Seminars	23,650	0	23,650
54	3310W	555040		General Employee Training	4,000	0	4,000
55	3310W	555052		Public Education Program	6,600	0	6,600
56	3310W	555060		License and Certification	16,425	0	16,425
57	3310W	564010		Passenger Vehicles [2]	40,000	(40,000)	0

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

Fiscal Year 2022 Budgeted Water Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
58	3310W	564070	P1912	Compter Equipment	0	0	0
59	3310W	565000	P1715	Construction in Progress [2]	31,596	(31,596)	0
60				Total Operating Services	<u>\$1,605,500</u>	<u>(\$971,942)</u>	<u>\$633,558</u>
61				Total Water Administration	<u>\$3,277,383</u>	<u>(\$971,942)</u>	<u>\$2,305,441</u>
	3320W			Water Production			
				<u>Personnel Costs</u>			
62	3320W	512000		Regular Salaries and Wages	\$866,482	\$0	\$866,482
63	3320W	513050		Relief Employees	37,500	0	37,500
64	3320W	514000		Overtime Pay	67,500	0	67,500
65	3320W	515150		Auto and Travel Allowances	0	0	0
66	3320W	515155		Phone Allowance	420	0	420
67	3320W	515250		Payouts - Civil Service	0	0	0
68	3320W	515300		Payouts - Sick Leave	0	0	0
69	3320W	515350		Payouts - Vacation Pay	0	0	0
70	3320W	521050		Social Security	53,748	0	53,748
71	3320W	521100		Medicare	12,570	0	12,570
72	3320W	522150		Pensions - General Employees	74,641	0	74,641
73	3320W	522200		Pensions - ICMA 401a	0	0	0
74	3320W	522201		Pensions - FRS	75,599	0	75,599
75	3320W	522250		Pensions - OPEB	0	0	0
76	3320W	522300		401a Match Program	8,508	0	8,508
77	3320W	522350		Pensions - Retirement Health	0	0	0
78	3320W	523050		Health Insurance	166,964	0	166,964
79	3320W	523100		Dental Insurance	1,723	0	1,723
80	3320W	523150		Life Insurance	1,077	0	1,077
81	3320W	523200		Long-term Disability Insurance	865	0	865
82	3320W	524000		Workers' Compensation	39,995	0	39,995
83				Total Personnel Costs	<u>\$1,407,592</u>	<u>\$0</u>	<u>\$1,407,592</u>
				<u>Operating Services</u>			
84	3320W	531010	P2109	Professional Services	\$754,075	(\$754,075)	\$0
85	3320W	531010		Professional Services	109,000	0	109,000
86	3320W	531010		Professional Services [2]	0	0	0
87	3320W	534010		Outside Services	367,375	0	367,375
88	3320W	534010		Outside Services	0	0	0
89	3320W	534010		Outside Services	0	0	0
90	3320W	534040		Special Events	0	0	0
91	3320W	541010		Phone and Communications	0	0	0
92	3320W	543010		Electricity	250,000	0	250,000
93	3320W	544010		Uniforms	4,471	0	4,471
94	3320W	544030		Equipment Rental	500	0	500
95	3320W	546070		Equipment Maintenance Agreements	37,268	0	37,268
96	3320W	546090		Office Equipment	0	0	0
97	3320W	551000		Office Supplies	0	0	0
98	3320W	552010		Specialized Supplies	2,500	0	2,500
99	3320W	552030		Equipment and Tools	2,200	0	2,200
100	3320W	552050		Medical Supplies	0	0	0
101	3320W	552060		Chemicals	524,623	0	524,623
102	3320W	552070		Small Furniture and Fixtures	0	0	0
103	3320W	552140		Diesel Fuel	5,000	0	5,000
104	3320W	552150		Motor Vehicle Fuel	891	0	891
105	3320W	552160		Grease, Oil, and Lubricants	0	0	0
106	3320W	552170		Computer Equipment and Supplies	0	0	0
107	3320W	552175		Computer Software	2,899	0	2,899
108	3320W	552200		Uniforms / Protective Clothing	2,750	0	2,750
109	3320W	552250		Machinery Parts	105,800	0	105,800
110	3320W	552280		Purchased Water	443,000	0	443,000
111	3320W	552300		Drafting Supplies	0	0	0

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

Fiscal Year 2022 Budgeted Water Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
112	3320W	554010		Books and Publications	0	0	0
113	3320W	554030		Dues and Memberships	840	0	840
114	3320W	555020		Meetings and Seminars	0	0	0
115	3320W	555040		General Employee Training	4,500	0	4,500
116	3320W	555060		License and Certification	10,284	0	10,284
117	3320W	555060		License and Certification [2]	0	0	0
118	3320W	564040		Machinery and Equipment [2]	48,350	(48,350)	0
119	3320W	565000	P2107	Construction in Progress [2]	250,000	(250,000)	0
120	3320W	565000	P1903	Construction in Progress [2]	350,000	(350,000)	0
121	3320W	565000	P2106	Construction in Progress [2]	350,000	(350,000)	0
122	3320W	565000	P1908	Construction in Progress [2]	1,080,846	(1,080,846)	0
123	3320W	565000	P1907	Construction in Progress [2]	1,141,765	(1,141,765)	0
124	3320W	565000	P1606	Construction in Progress [2]	1,754,411	(1,754,411)	0
125	3320W	565010	P1908	Pre-Construction (Design) [2]	44,086	(44,086)	0
126	3320W	565010	P1606	Pre-Construction (Design) [2]	112,080	(112,080)	0
127	3320W	565010	P2109	Pre-Construction (Design) [2]	377,662	(377,662)	0
128				Total Operating Services	\$8,137,177	(\$6,263,277)	\$1,873,901
129				Total Water Production	\$9,544,769	(\$6,263,277)	\$3,281,493
	3330W			Transmission and Distribution			
				<u>Personnel Costs</u>			
130	3330W	512000		Regular Salaries and Wages	\$898,356	\$0	\$898,356
131	3330W	513000		Other Salaries and Wages	0	0	0
132	3330W	514000		Overtime Pay	50,000	0	50,000
133	3330W	515150		Auto and Travel Allowances	0	0	0
134	3330W	515155		Phone Allowance	1,470	0	1,470
135	3330W	515250		Payouts - Civil Service	0	0	0
136	3330W	515300		Payouts - Sick Leave	0	0	0
137	3330W	515350		Payouts - Vacation Pay	0	0	0
138	3330W	521050		Social Security	55,789	0	55,789
139	3330W	521100		Medicare	13,047	0	13,047
140	3330W	522150		Pensions - General Employees	67,586	0	67,586
141	3330W	522201		Pensions - FRS	74,682	0	74,682
142	3330W	522200		Pensions - ICMA 401a	0	0	0
143	3330W	522250		Pensions - OPEB	0	0	0
144	3330W	522300		401a Match Program	8,848	0	8,848
145	3330W	522350		Pensions - Retirement Health	0	0	0
146	3330W	523050		Health Insurance	214,582	0	214,582
147	3330W	523100		Dental Insurance	8,640	0	8,640
148	3330W	523150		Life Insurance	1,215	0	1,215
149	3330W	523200		Long-term Disability Insurance	975	0	975
150	3330W	524000		Workers' Compensation	37,086	0	37,086
151				Total Personnel Costs	\$1,432,276	\$0	\$1,432,276
				<u>Operating Services</u>			
152	3330W	531010		Professional Services	\$6,500	\$0	\$6,500
153	3330W	531010		Professional Services [2]	0	0	0
154	3330W	531010		Professional Services [2]	0	0	0
155	3330W	534010		Outside Services	31,500	0	31,500
156	3330W	534010		Outside Services [2]	0	0	0
157	3330W	534010		Outside Services [2]	0	0	0
158	3330W	534040		Special Events	0	0	0
159	3330W	541010		Phone and Communications	0	0	0
160	3330W	543010		Electricity	0	0	0
161	3330W	544010		Uniforms	4,108	0	4,108
162	3330W	544030		Equipment Rental	0	0	0
163	3330W	546070		Equipment Maintenance Agreements	2,000	0	2,000
164	3330W	546080		Infrastructure Maintenance	100,000	0	100,000
165	3330W	546090		Office Equipment	0	0	0

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

Fiscal Year 2022 Budgeted Water Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
166	3330W	547000		Printing and Binding	0	0	0
167	3330W	551000		Office Supplies	0	0	0
168	3330W	552010		Specialized Supplies	0	0	0
169	3330W	552020		Meter Boxes	110,000	0	110,000
170	3330W	552030		Equipment and Tools	7,000	0	7,000
171	3330W	552050		Medical Supplies	0	0	0
172	3330W	552060		Chemicals	0	0	0
173	3330W	552070		Small Furniture and Fixtures	0	0	0
174	3330W	552080		Traffic Control / Signs	2,500	0	2,500
175	3330W	552140		Diesel Fuel	3,564	0	3,564
176	3330W	552150		Motor Vehicle Fuel	12,288	0	12,288
177	3330W	552160		Grease, Oil, and Lubricants	0	0	0
178	3330W	552170		Computer Equipment and Supplies	0	0	0
179	3330W	552180		Water Main Repair Parts	140,000	0	140,000
180	3330W	552200		Uniforms / Protective Clothing	3,580	0	3,580
181	3330W	552210		Building Materials / Supplies	4,000	0	4,000
182	3330W	552250		Machinery Parts	2,500	0	2,500
183	3330W	552260		Parts for Water Meter Rep	4,000	0	4,000
184	3330W	552280		Purchased Water	0	0	0
185	3330W	552290		Restoration Supplies	2,500	0	2,500
186	3330W	553010		Rock and Fill	8,500	0	8,500
187	3330W	553010		Rock and Fill [2]	0	0	0
188	3330W	553020		Asphalt Paving Road Materials	15,000	0	15,000
189	3330W	552300		Drafting Supplies	0	0	0
190	3330W	554010		Books and Publications	0	0	0
191	3330W	554030		Dues and Memberships	0	0	0
192	3330W	555020		Meetings and Seminars	0	0	0
193	3330W	555040		General Employee Training	8,375	0	8,375
194	3330W	555060		License and Certification	4,600	0	4,600
195	3330W	555060		License and Certification [2]	0	0	0
196	3330W	564030		Trucks-Heavy	421,167	(421,167)	0
197	3330W	564040		Machinery & Equipment	86,388	(86,388)	0
198	3330W	564060	10332	Communications Equipment [2]	0	0	0
199	3330W	565000	P2004	Construction in Progress [2]	100,000	(100,000)	0
200				Total Operating Services	\$1,080,070	(\$607,555)	\$472,515
201				Total Transmission and Distribution	\$2,512,346	(\$607,555)	\$1,904,791
	3340W			Utility Billing Division			
				<u>Personnel Costs</u>			
202	3340W	512000		Regular Salaries and Wages	\$640,165	\$0	\$640,165
203	3340W	513050		Other Salaries and Wages	41,600	0	41,600
204	3340W	514000		Overtime Pay	0	0	0
205	3340W	515150		Auto and Travel Allowances	0	0	0
206	3340W	515155		Phone Allowance	840	0	840
207	3340W	515250		Payouts - Civil Service	0	0	0
208	3340W	515200		Payouts - Sick Leave	0	0	0
209	3340W	515350		Payouts - Vacation Pay	0	0	0
210	3340W	521050		Social Security	42,187	0	42,187
211	3340W	521100		Medicare	9,899	0	9,899
212	3340W	522150		Pensions - General Employees	35,297	0	35,297
213	3340W	522201		Pensions - FRS	78,695	0	78,695
214	3340W	522200		Pensions - ICMA 401a	0	0	0
215	3340W	522250		Pensions - OPEB	0	0	0
216	3340W	522300		401a Match Program	6,377	0	6,377
217	3340W	522350		Pensions - Retirement Health	0	0	0
218	3340W	523050		Health Insurance	162,361	0	162,361
219	3340W	523100		Dental Insurance	6,309	0	6,309
220	3340W	523150		Life Insurance	873	0	873
221	3340W	523200		Long-term Disability Insurance	701	0	701
222	3340W	524000		Workers' Compensation	1,512	0	1,512

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

Fiscal Year 2022 Budgeted Water Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
223				Total Personnel Costs	\$1,026,816	\$0	\$1,026,816
				<u>Operating Services</u>			
224	3340W	531010		Professional Services	\$0	\$0	\$0
225	3340W	531050		Filing and Lien Recording Fees	0	0	0
226	3340W	534010		Outside Services	101,028	0	101,028
227	3340W	534010	12161	Outside Services [2]	0	0	0
228	3340W	534010	99341	Outside Services [2]	0	0	0
229	3340W	534040		Special Events	0	0	0
230	3340W	539055		Credit Card Fees	142,000	0	142,000
231	3340W	541010		Phone and Communications	0	0	0
232	3340W	542000		Postage and Freight	58,000	0	58,000
233	3340W	543010		Electricity	0	0	0
234	3340W	544010		Uniforms	0	0	0
235	3340W	544030		Equipment Rental	0	0	0
236	3340W	546050		Computer Hardware Maintenance	0	0	0
237	3340W	546060		Computer Software Maintenance	0	0	0
238	3340W	546070		Equipment Maintenance Agreements	0	0	0
239	3340W	546090		Office Equipment	0	0	0
240	3340W	547000		Printing and Binding	750	0	750
241	3340W	551000		Office Supplies	1,500	0	1,500
242	3340W	552010		Specialized Supplies	0	0	0
243	3340W	552020		Meter Boxes	0	0	0
244	3340W	552030		Equipment and Tools	0	0	0
245	3340W	552050		Medical Supplies	0	0	0
246	3340W	552060		Chemicals	0	0	0
247	3340W	552070		Small Furniture and Fixtures	0	0	0
248	3340W	552070	99341	Small Furniture and Fixtures [2]	0	0	0
249	3340W	552080		Traffic Control / Signs	0	0	0
250	3340W	552140		Diesel Fuel	0	0	0
251	3340W	552150		Motor Vehicle Fuel	0	0	0
252	3340W	552160		Grease, Oil, and Lubricants	0	0	0
253	3340W	552170		Computer Equipment and Supplies	0	0	0
254	3340W	552180		Water Main Repair Parts	0	0	0
255	3340W	552200		Uniforms / Protective Clothing	1,208	0	1,208
256	3340W	552210		Building Materials / Supplies	0	0	0
257	3340W	552250		Machinery Parts	0	0	0
258	3340W	552280		Purchased Water	0	0	0
259	3340W	552290		Cement	0	0	0
260	3340W	553010		Rock and Fill	0	0	0
261	3340W	553020		Asphalt Paving Road Materials	0	0	0
262	3340W	552300		Drafting Supplies	0	0	0
263	3340W	554010		Books and Publications	0	0	0
264	3340W	554030		Dues and Memberships	932	0	932
265	3340W	555020		Meetings and Seminars	7,530	0	7,530
266	3340W	555040		General Employee Training	1,170	0	1,170
267	3340W	555060		License and Certification	150	0	150
268	3340W	564040		Machinery and Equipment [2]	0	0	0
269	3340W	564040	99341	Machinery and Equipment [2]	0	0	0
270				Total Operating Services	\$314,268	\$0	\$314,268
271				Total Utility Billing Division	\$1,341,084	\$0	\$1,341,084
	3370W			Plant Maintenance			
				<u>Personnel Costs</u>			
272	3370W	512000		Regular Salaries and Wages	\$135,436	\$0	\$135,436
273	3370W	513050		Other Salaries and Wages	0	0	0
274	3370W	514000		Overtime Pay	35,000	0	35,000
275	3370W	515150		Auto and Travel Allowances	0	0	0
276	3370W	515155		Phone Allowance	420	0	420

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

Fiscal Year 2022 Budgeted Water Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
277	3370W	515250		Payouts - Civil Service	0	0	0
278	3370W	515300		Payouts - Sick Leave	0	0	0
279	3370W	515350		Payouts - Vacation Pay	0	0	0
280	3370W	515400		Tool Allowance	0	0	0
281	3370W	521050		Social Security	8,423	0	8,423
282	3370W	521100		Medicare	1,970	0	1,970
283	3370W	522150		Pensions - General Employees	29,857	0	29,857
284	3370W	522200		Pensions - ICMA 401a	0	0	0
285	3370W	522201		Pensions - FRS	7,407	0	7,407
286	3370W	522250		Pensions - OPEB	0	0	0
287	3370W	522300		401a Match Program	671	0	671
288	3370W	522350		Pensions - Retirement Health	0	0	0
289	3370W	523050		Health Insurance	23,347	0	23,347
290	3370W	523100		Dental Insurance	301	0	301
291	3370W	523150		Life Insurance	162	0	162
292	3370W	523200		Long-term Disability Insurance	130	0	130
293	3370W	524000		Workers' Compensation	3,261	0	3,261
294				Total Personnel Costs	\$246,385	\$0	\$246,385
				<u>Operating Services</u>			
295	3370W	531010		Professional Services	\$0	\$0	\$0
296	3370W	531050		Filing and Lien Recording Fees	0	0	0
297	3370W	534010		Outside Services	0	0	0
298	3370W	534040		Special Events	0	0	0
299	3370W	539055		Credit Card Fees	0	0	0
300	3370W	541010		Phone and Communications	0	0	0
301	3370W	542000		Postage and Freight	0	0	0
302	3370W	543010		Electricity	0	0	0
303	3370W	543020		Water /Sewer	150	0	150
304	3370W	544010		Uniforms	735	0	735
305	3370W	544030		Equipment Rental	0	0	0
306	3370W	546050		Computer Hardware Maintenance	0	0	0
307	3370W	546060		Computer Software Maintenance	0	0	0
308	3370W	546070		Equipment Maintenance Agreements	0	0	0
309	3370W	546090		Office Equipment	0	0	0
310	3370W	547000		Printing and Binding	0	0	0
311	3370W	551000		Office Supplies	0	0	0
312	3370W	552010		Specialized Supplies	0	0	0
313	3370W	552020		Meter Boxes	0	0	0
314	3370W	552030		Equipment and Tools	1,200	0	1,200
315	3370W	552050		Medical Supplies	0	0	0
316	3370W	552060		Chemicals	0	0	0
317	3370W	552070		Small Furniture and Fixtures	0	0	0
318	3370W	552080		Traffic Control / Signs	0	0	0
319	3370W	552140		Diesel Fuel	0	0	0
320	3370W	552150		Motor Vehicle Fuel	0	0	0
321	3370W	552160		Grease, Oil, and Lubricants	0	0	0
322	3370W	552170		Computer Equipment and Supplies	0	0	0
323	3370W	552180		Water Main Repair Parts	0	0	0
324	3370W	552200		Uniforms / Protective Clothing	770	0	770
325	3370W	552210		Building Materials / Supplies	6,000	0	6,000
326	3370W	552250		Machinery Parts	0	0	0
327	3370W	552280		Purchased Water	0	0	0
328	3370W	552290		Cement	0	0	0
329	3370W	553010		Rock and Fill	0	0	0
330	3370W	553020		Asphalt Paving Road Materials	0	0	0
331	3370W	552300		Drafting Supplies	0	0	0
332	3370W	554010		Books and Publications	0	0	0
333	3370W	554030		Dues and Memberships	0	0	0
334	3370W	555020		Meetings and Seminars	0	0	0
335	3370W	555040		General Employee Training	3,000	0	3,000

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

Fiscal Year 2022 Budgeted Water Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
336	3370W	555060		License and Certification	0	0	0
337	3370W	564040		Machinery and Equipment	0	0	0
338	3370W	564040	P1606	Machinery and Equipment [2]	50,000	(50,000)	0
339				Total Operating Services	\$61,855	(\$50,000)	\$11,855
340				Total Plant Maintenance	\$308,240	(\$50,000)	\$258,240
	3380W			Debt Service			
341	3380W	544020		Copiers / Office Equipment Leases [3]	\$9,314	\$0	\$9,314
342	3380W	571200		Principal Series [3]	2,500,000	(2,500,000)	0
343	3380W	571220		Principal - 2012 Chase Note [3]	191,664	(191,664)	0
344	3380W	571225		Principal - Bond Series 2014 [3]	305,480	(305,480)	0
345	3380W	572220		Interest - 2012 Chase Note [3]	1,748	(1,748)	0
346	3380W	572225		Interest - Bond Series 2014 [3]	24,916	(24,916)	0
347				Total Debt Service	\$3,033,122	(\$3,023,808)	\$9,314
	3390W			Non-Departmental			
				<u>Personnel Costs</u>			
348	3390W	512000		Regular Salaries and Wages	\$0	\$0	\$0
349	3390W	513050		Other Salaries and Wages	0	0	0
350	3390W	514000		Overtime Pay	0	0	0
351	3390W	515150		Auto and Travel Allowances	0	0	0
352	3390W	515200		Sick Leave Buyback	34,000	0	34,000
353	3390W	515250		Payouts - Civil Service	10,000	0	10,000
354	3390W	515300		Payouts - Sick Leave	31,000	0	31,000
355	3390W	515350		Payouts - Vacation Pay	20,000	0	20,000
356	3390W	515400		Tool Allowance	0	0	0
357	3390W	515500		Sick Accrual Expense	0	0	0
358	3390W	515550		Vacation Accrual Expense	0	0	0
359	3390W	521050		Social Security	0	0	0
360	3390W	521100		Medicare	0	0	0
361	3390W	522050		Pensions -	0	0	0
362	3390W	522051		Professional GASB68	0	0	0
363	3390W	522150		Pensions - General Employees	0	0	0
364	3390W	522151		General GASB 68	0	0	0
365	3390W	522200		Pensions - ICMA 401a	0	0	0
366	3390W	522250		Pensions - OPEB	0	0	0
367	3390W	522300		401a Match Program	0	0	0
368	3390W	522350		Pensions - Retirement Health	0	0	0
369	3390W	523050		Health Insurance	0	0	0
370	3390W	523100		Dental Insurance	0	0	0
371	3390W	523150		Life Insurance	0	0	0
372	3390W	523200		Long-term Disability Insurance	0	0	0
373	3390W	524000		Workers' Compensation	0	0	0
374	3390W	525000		Unemployment Compensation Fee	0	0	0
375				Total Personnel Costs	\$95,000	\$0	\$95,000
				<u>Operating Services</u>			
376	3390W	531010		Professional Services	\$76,250	\$0	\$76,250
377	3390W	531010	14411	Professional Services [2]	0	0	0
378	3390W	531010	93301	Professional Services [2]	0	0	0
379	3390W	531010	99341	Professional Services [2]	0	0	0
380	3390W	531010	P1510	Professional Services [2]	0	0	0
381	3390W	531010	P1602	Professional Services [2]	12,040	(12,040)	0
382	3390W	531010	P1705	Professional Services [2]	0	0	0
383	3390W	531010	P1706	Professional Services [2]	0	0	0
384	3390W	531030		Employee Physicals	0	0	0
385	3390W	531040		Legal Services	0	0	0
386	3390W	531050		Filing and Lien Recording Fees	0	0	0

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

Fiscal Year 2022 Budgeted Water Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
387	3390W	532000		Accounting and Auditing	23,242	0	23,242
388	3390W	534010		Outside Services	95,500	0	95,500
389	3390W	534010	P1508	Outside Services [2]	0	0	0
390	3390W	534010	P1610	Outside Services [2]	0	0	0
391	3390W	534010	P1715	Outside Services [2]	15,588	(15,588)	0
392	3390W	534010	P1802	Outside Services [2]	0	0	0
393	3390W	534040		Special Events	0	0	0
394	3390W	539055		Credit Card Fees	0	0	0
395	3390W	541010		Phone and Communications	0	0	0
396	3390W	542000		Postage and Freight	19,786	0	19,786
397	3390W	543010		Electricity	0	0	0
398	3390W	543020		Water and Sewer	55,620	0	55,620
399	3390W	544010		Uniforms	0	0	0
400	3390W	544030		Equipment Rental	0	0	0
401	3390W	544070		Lease - Bus / FEC Railroad	0	0	0
402	3390W	545010		Property Insurance Premium	200,000	0	200,000
403	3390W	546020		Communication Equipment	0	0	0
404	3390W	546050		Computer Hardware Maintenance	0	0	0
405	3390W	546060		Computer Software Maintenance	0	0	0
406	3390W	546070		Equipment Maintenance Agreements	8,500	0	8,500
407	3390W	546080	89203	Infrastructure Maintenance	0	0	0
408	3390W	546090		Office Equipment	0	0	0
409	3390W	547000		Printing and Binding	0	0	0
410	3390W	548010		Advertising	0	0	0
411	3390W	549970		Contingencies	0	0	0
412	3390W	549980		Grant Match Expenditures	0	0	0
413	3390W	549990		Working Reserves [4]	0	0	0
414	3390W	551000		Office Supplies	0	0	0
415	3390W	552010		Specialized Supplies	0	0	0
416	3390W	552020		Meter Boxes	0	0	0
417	3390W	552030		Equipment and Tools	0	0	0
418	3390W	552050		Medical Supplies	0	0	0
419	3390W	552060		Chemicals	0	0	0
420	3390W	552070		Small Furniture and Fixtures	0	0	0
421	3390W	552080		Traffic Control / Signs	0	0	0
422	3390W	552090		Horticultural / Beautification	0	0	0
423	3390W	552140		Diesel Fuel	0	0	0
424	3390W	552150		Motor Vehicle Fuel	0	0	0
425	3390W	552160		Grease, Oil, and Lubricants	0	0	0
426	3390W	552170		Computer Equipment and Supplies	0	0	0
427	3390W	552180		Water Main Repair Parts	0	0	0
428	3390W	552200		Uniforms / Protective Clothing	0	0	0
429	3390W	552210		Building Materials / Supplies	27,000	0	27,000
430	3390W	552210	93302	Building Materials / Supplies [2]	0	0	0
431	3390W	552230		CM Project / Program Supplies	0	0	0
432	3390W	552250		Machinery Parts	19,000	0	19,000
433	3390W	552260		Water Meter / Hydrant Parts	0	0	0
434	3390W	552270		Hurricane Preparedness	0	0	0
435	3390W	552280		Purchased Water	0	0	0
436	3390W	552290		Cement	0	0	0
437	3390W	552300		Drafting Supplies	0	0	0
438	3390W	553010		Rock and Fill	0	0	0
439	3390W	553020		Asphalt Paving Road Materials	0	0	0
440	3390W	554010		Books and Publications	0	0	0
441	3390W	554030		Dues and Memberships	0	0	0
442	3390W	554040		Internet Subscriptions	14,098	0	14,098
443	3390W	554040	12161	Internet Subscriptions [2]	0	0	0
444	3390W	555010		Computer Training	0	0	0
445	3390W	555020		Meetings and Seminars	0	0	0
446	3390W	555030		Tuition Reimbursement	0	0	0
447	3390W	555040		General Employee Training	0	0	0
448	3390W	555060		License and Certification	0	0	0

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

Fiscal Year 2022 Budgeted Water Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
449	3390W	559010		Depreciation Expense	0	0	0
450	3390W	564040		Machinery and Equipment [2]	0	0	0
451	3390W	564040	78001	Machinery and Equipment [2]	0	0	0
452	3390W	564070		Computer Equipment and Supplies [2]	0	0	0
453	3390W	565000		Computer Equipment and Supplies [2]	0	0	0
454	3390W	565000		Computer Equipment and Supplies [2]	0	0	0
455	3390W	565000		Computer Equipment and Supplies [2]	0	0	0
456	3390W	565000		Computer Equipment and Supplies [2]	0	0	0
457	3390W	565000		Computer Equipment and Supplies [2]	0	0	0
458	3390W	565000		Computer Equipment and Supplies [2]	0	0	0
459	3390W	565000	P1715	Construction in Progress [2]	30,153	(30,153)	0
460	3390W	565000	P2104	Construction in Progress [2]	195,500	(195,500)	0
461	3390W	565000	P2004	Construction in Progress [2]	100,000	(100,000)	0
462	3390W	565000	P2202	Construction in Progress [2]	125,000	(125,000)	0
463	3390W	565000	P2007	Construction in Progress [2]	370,000	(370,000)	0
464	3390W	565000	P2005	Construction in Progress [2]	500,000	(500,000)	0
465	3390W	565000	P2201	Construction in Progress [2]	2,300,000	(2,300,000)	0
466	3390W	565010	P2206	Pre-Construction (Design) [2]	500,000	(500,000)	0
467				Total Operating Services	\$4,687,277	(\$4,148,281)	\$538,996
468				Total Non-Departmental	\$4,782,277	(\$4,148,281)	\$633,996
	3395W			Renewal & Replacement			
				<u>Personnel Costs</u>			
469	3395W	512000		Regular Salaries and Wages	\$0	\$0	\$0
470	3395W	513050		Other Salaries and Wages	0	0	0
471	3395W	514000		Overtime Pay	0	0	0
472	3395W	515150		Auto and Travel Allowances	0	0	0
473	3395W	515200		Sick Leave Buyback	0	0	0
474	3395W	515250		Payouts - Civil Service	0	0	0
475	3395W	515300		Payouts - Sick Leave	0	0	0
476	3395W	515350		Payouts - Vacation Pay	0	0	0
477	3395W	515400		Tool Allowance	0	0	0
478	3395W	515500		Sick Accrual Expense	0	0	0
479	3395W	515550		Vacation Accrual Expense	0	0	0
480	3395W	521050		Social Security	0	0	0
481	3395W	521100		Medicare	0	0	0
482	3395W	522150		Pensions - General Employees	0	0	0
483	3395W	522200		Pensions - ICMA 401a	0	0	0
484	3395W	522250		Pensions - OPEB	0	0	0
485	3395W	522300		401a Match Program	0	0	0
486	3395W	522350		Pensions - Retirement Health	0	0	0
487	3395W	523050		Health Insurance	0	0	0
488	3395W	523100		Dental Insurance	0	0	0
489	3395W	523150		Life Insurance	0	0	0
490	3395W	523200		Long-term Disability Insurance	0	0	0
491	3395W	524000		Workers' Compensation	0	0	0
492	3395W	525000		Unemployment Compensation Fee	0	0	0
493				Total Personnel Costs	\$0	\$0	\$0
				<u>Operating Services</u>			
494	3395W	531010		Professional Services	\$0	\$0	\$0
495	3395W	534010		Outside Services	0	0	0
496	3395W	534010		Outside Services	0	0	0
497	3395W	534010		Outside Services	0	0	0
498	3395W	546080		Infrastructure Maintenance	0	0	0
499	3395W	552260		Water Meter / Hydrant Parts	0	0	0
500	3395W	559010		Depreciation Expense	0	0	0
501	3395W	564040		Machinery and Equipment [2]	120,000	(120,000)	0
502	3395W	565000	P2119	Construction in Progress [2]	21,333	(21,333)	0

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

Fiscal Year 2022 Budgeted Water Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
503	3395W	565000	P2124	Construction in Progress [2]	300,000	(300,000)	0
504	3395W	565000	P2127	Construction in Progress [2]	3,706,659	(3,706,659)	0
505	3395W	565000		Construction in Progress [2]	0	0	0
506	3395W	565000		Construction in Progress [2]	0	0	0
507	3395W	565000	P2210	Pre-Construction (Design) [2]	141,120	(141,120)	0
508	3395W	565010	P2118	Pre-Construction (Design) [2]	144,633	(144,633)	0
509	3395W	565010	P2123	Pre-Construction (Design) [2]	147,919	(147,919)	0
510	3395W	565010	P2105	Pre-Construction (Design) [2]	166,895	(166,895)	0
511	3395W	565010	P2125	Pre-Construction (Design) [2]	166,960	(166,960)	0
512	3395W	565010	P2211	Pre-Construction (Design) [2]	227,310	(227,310)	0
513	3395W	565010	P2209	Pre-Construction (Design) [2]	242,650	(242,650)	0
514	3395W	565010	P2212	Pre-Construction (Design) [2]	244,745	(244,745)	0
515	3395W	565010	P2128	Pre-Construction (Design) [2]	289,600	(289,600)	0
516	3395W	565010	P2119	Pre-Construction (Design) [2]	326,108	(326,108)	0
517	3395W	565010	P2127	Pre-Construction (Design) [2]	408,929	(408,929)	0
518	3395W	565010	P2208	Pre-Construction (Design) [2]	499,430	(499,430)	0
519	3395W	565010	P2213	Pre-Construction (Design) [2]	535,000	(535,000)	0
520				Total Operating Services	\$7,689,290	(\$7,689,290)	\$0
521				Total Renewal & Replacement	\$7,689,290	(\$7,689,290)	\$0
	3396W			Equipment Replacement			
				<u>Operating Services</u>			
522	3396W	549531		Replacement Vehicles	\$158,185	\$0	\$158,185
523	3396W	549532		Operation & Maintenance	127,653	0	127,653
524	3396W			Admin Charges to Fleet Services	0	0	0
525				Total Operating Services	\$285,838	\$0	\$285,838
526				Total Equipment Replacement	\$285,838	\$0	\$285,838
527				Subtotal Water System	\$32,774,350	(\$22,754,153)	\$10,020,197
	8910W			Charges to Other Fund			
528	8910W	549001		Administrative Charge to the General Fund	\$1,231,837	\$0	\$1,231,837
529	8910W	549160		Administrative Charge to the Transportation Fund	12,387	0	12,387
530	8910W	549410		Administrative Charge to the Sanitation Fund	13,824	0	13,824
531	8910W	549440		Administrative Charge to the Stormwater Fund	10,052	0	10,052
532				Total Charges to Other Funds	\$1,268,100	\$0	\$1,268,100
	9008W			Transfers to Other Funds			
533	9008W	549110		10% Operating Reserve [4]	\$0	\$0	\$0
534	9008W	549103		Transfer to Renewal and Replacement Fund [6]	0	0	0
535	9008W	549801		Transfer to General Fund [5]	0	0	0
536	9008W	549860		Transfer to Transportation [5]	0	0	0
537	9008W	549880		Transfer to Capital Projects [5]	0	0	0
538	9008W	549890		Transfer to General Liability	255,994	0	255,994
539	9008W	549891		Transfer to Impact Fee [5]	0	0	0
540				Total Transfers to Other Funds	\$255,994	\$0	\$255,994
	2023EW			Developer Agreement - Village of Gulfstream			
541	2023EW	565000		Construction in Progress [2]	\$0	\$0	\$0
542				Total Developer Agreement - Village of Gulfstream	\$0	\$0	\$0
	2026GW			Developer Agreement - Wal-Mart			
543	2026GW	531000		Professional Services [2]	\$0	\$0	\$0
544				Total Developer Agreement - Wal-Mart	\$0	\$0	\$0

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

Fiscal Year 2022 Budgeted Water Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
				Other			
545		599000		Capital Reclassified as Operating Expense	\$0	\$0	\$0
546				Contingency (0.00% of O&M) [7]	0	0	0
547				Bad Debt Expense (0.25% of Rate Revenues) [8]	0	27,836	27,836
548				Additional Personnel Expenses	0	0	0
549				Total Other	<u>\$0</u>	<u>\$27,836</u>	<u>\$27,836</u>
550				Total Water System	<u><u>\$34,298,444</u></u>	<u><u>(\$22,726,317)</u></u>	<u><u>\$11,572,127</u></u>

Footnotes:

- [1] Based on budgeted figures for the Fiscal Year Ending September 30, 2022 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.
- [6] Amount reflect reductions in the operating budget for transfers to the R&R Fund shown in Table 1-16.
- [7] No contingency was assumed in Fiscal Year 2022 as the City already budgets its expenses on a generally conservative basis.
- [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 2022 Budgeted Wastewater Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
	3510S			Sewer Collection Administration			
				<u>Personnel Costs</u>			
1	3510S	512000		Regular Salaries and Wages	\$772,597	\$0	\$772,597
2	3510S	514000		Overtime Pay	80,000	0	80,000
3	3510S	515150		Auto and Travel Allowances	240	0	240
3	3510S	515155		Phone Allowance	1,974	0	1,974
4	3510S	515250		Payouts - Civil Service	0	0	0
5	3510S	515300		Payouts - Sick Leave	0	0	0
6	3510S	515350		Payouts - Vacation Pay	0	0	0
7	3510S	521050		Social Security	47,938	0	47,938
8	3510S	521100		Medicare	11,235	0	11,235
9	3510S	522150		Pensions - General Employees	61,089	0	61,089
9	3510S	522201		Pensions - FRS	65,838	0	65,838
10	3510S	522200		Pensions - ICMA 401a	0	0	0
11	3510S	522250		Pensions - OPEB	0	0	0
12	3510S	522300		401a Match Program	7,666	0	7,666
13	3510S	522350		Pensions - Retirement Health	0	0	0
14	3510S	523050		Health Insurance	221,052	0	221,052
15	3510S	523100		Dental Insurance	9,097	0	9,097
16	3510S	523150		Life Insurance	1,069	0	1,069
17	3510S	523200		Long-term Disability Insurance	858	0	858
18	3510S	524000		Workers' Compensation	28,957	0	28,957
19				Total Personnel Costs	\$1,309,610	\$0	\$1,309,610
				<u>Operating Services</u>			
20	3510S	531010		Professional Services	\$6,500	\$0	\$6,500
21	3510S	534010		Outside Services	40,560	0	40,560
22	3510S	534040		Special Events	0	0	0
23	3510S	541010		Phone and Communications	0	0	0
24	3510S	543010		Electricity	115,000	0	115,000
25	3510S	543020		Water and Sewer	3,629	0	3,629
26	3510S	544010		Uniforms	3,174	0	3,174
27	3510S	544030		Equipment Rental	35,000	0	35,000
28	3510S	546070		Maintenance Agreements	70,000	0	70,000
28	3510S	546080		Infrastructure Maintenance	87,250	0	87,250
29	3510S	546090		Office Equipment	0	0	0
30	3510S	551000		Office Supplies	0	0	0
31	3510S	552030		Equipment and Tools	30,000	0	30,000
32	3510S	552050		Medical Supplies	0	0	0
33	3510S	552080		Traffic Control / Signs	2,500	0	2,500
34	3510S	552140		Diesel Fuel	0	0	0
35	3510S	552150		Motor Vehicle Fuel	0	0	0
36	3510S	552170		Computer Equipment and Supplies	0	0	0
37	3510S	552200		Uniforms / Protective Clothing	0	0	0
38	3510S	552210		Building Materials / Supplies	0	0	0
39	3510S	552300		Drafting Supplies	0	0	0
40	3510S	552250		Machinery Parts	0	0	0
41	3510S	552250	89302	Machinery Parts [2]	0	0	0
42	3510S	553010		Rock and Fill	0	0	0
43	3510S	553020		Asphalt Paving Road Materials	0	0	0
44	3510S	554010		Books and Publications	0	0	0
45	3510S	554030		Dues and Memberships	0	0	0
46	3510S	555020		Meetings and Seminars	0	0	0
47	3510S	555040		General Employee Training	0	0	0
48	3510S	555060		License and Certification	0	0	0
49	3510S	564040		Machinery and Equipment [2]	0	0	0

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

Fiscal Year 2022 Budgeted Wastewater Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
50	3510S	565000	P1715	Construction in Progress [2]	8,880	(8,880)	0
51	3510S	565010	P1601	Pre-Construction (Design) [2]	300,000	(300,000)	0
52				Total Operating Services	\$702,493	(\$308,880)	\$393,613
53				Total Sewer Collection Administration	\$2,012,103	(\$308,880)	\$1,703,223
	3580S			Debt Service			
54	3580S	544020		Principal Series - 2018 SRF [3]	\$0	\$0	\$0
55	3580S	571220		Principal - 2012 Chase Note [3]	69,168	(69,168)	0
56	3580S	571225		Principal - Bond Series 2014 [3]	63,616	(63,616)	0
57	3580S	572200		Interest Series - 2018 SRF [3]	0	0	0
58	3580S	572220		Interest - 2012 Chase Note [3]	631	(631)	0
59	3580S	572225		Interest - Bond Series 2014 [3]	5,189	(5,189)	0
60	3580S	573160		Other Debt Service Costs - 2005A Bonds	0	0	0
61				Total Debt Service	\$138,604	(\$138,604)	\$0
	3590S			Non-Departmental			
				<u>Personnel Costs</u>			
62	3590S	512000		Regular Salaries and Wages	\$0	\$0	\$0
63	3590S	513050		Other Salaries and Wages	0	0	0
64	3590S	514000		Overtime Pay	0	0	0
65	3590S	515150		Auto and Travel Allowances	0	0	0
66	3590S	515200		Sick Leave Buyback	0	0	0
67	3590S	515250		Payouts - Civil Service	0	0	0
68	3590S	515300		Payouts - Sick Leave	0	0	0
69	3590S	515350		Payouts - Vacation Pay	0	0	0
70	3590S	515400		Tool Allowance	0	0	0
71	3590S	515500		Sick Accrual Expense	0	0	0
72	3590S	515550		Vacation Accrual Expense	0	0	0
73	3590S	521050		Social Security	0	0	0
74	3590S	521100		Medicare	0	0	0
75	3590S	522150		Pensions - General Employees	0	0	0
76	3590S	522151		General GASB 68	0	0	0
77	3590S	522200		Pensions - ICMA 401a	0	0	0
78	3590S	522250		Pensions - OPEB	0	0	0
79	3590S	522300		401a Match Program	0	0	0
80	3590S	522350		Pensions - Retirement Health	0	0	0
81	3590S	523050		Health Insurance	0	0	0
82	3590S	523100		Dental Insurance	0	0	0
83	3590S	523150		Life Insurance	0	0	0
84	3590S	523200		Long-term Disability Insurance	0	0	0
85	3590S	524000		Workers' Compensation	0	0	0
86	3590S	525000		Unemployment Compensation Fee	0	0	0
87				Total Personnel Costs	\$0	\$0	\$0
				<u>Operating Services</u>			
88	3590S	531010		Professional Services	\$0	\$0	\$0
89	3590S	531030		Employee Physicals	0	0	0
90	3590S	531040		Legal Services	0	0	0
91	3590S	531050		Filing and Lien Recording Fees	0	0	0
92	3590S	532000		Accounting and Auditing	0	0	0
93	3590S	534010	CM001	Outside Services	0	0	0
94	3590S	534010	P1508	Outside Services	0	0	0
95	3590S	534010	P1610	Outside Services	0	0	0
96	3590S	534040		Special Events	0	0	0
97	3590S	539055		Credit Card Fees	0	0	0
98	3590S	541010		Phone and Communications	0	0	0

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

Fiscal Year 2022 Budgeted Wastewater Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
99	3590S	542000		Postage and Freight	0	0	0
100	3590S	543010		Electricity	0	0	0
101	3590S	543020		Water and Sewer	0	0	0
102	3590S	543050		Wastewater Treatment	9,262,000	413,326	9,675,326
103	3590S	544010		Uniforms	0	0	0
104	3590S	544030		Equipment Rental	0	0	0
105	3590S	544070		Lease - Bus / FEC Railroad	0	0	0
106	3590S	545010		Property Insurance Premium	0	0	0
107	3590S	546020		Communication Equipment	0	0	0
108	3590S	546050		Computer Hardware Maintenance	0	0	0
109	3590S	546060		Computer Software Maintenance	0	0	0
110	3590S	546070		Equipment Maintenance Agreements	0	0	0
111	3590S	546080		Infrastructure Maintenance	0	0	0
112	3590S	546090		Office Equipment	0	0	0
113	3590S	547000		Printing and Binding	0	0	0
114	3590S	548010		Advertising	0	0	0
115	3590S	549970		Contingencies	0	0	0
116	3590S	549980		Grant Match Expenditures	0	0	0
117	3590S	549990		Working Reserves	0	0	0
118	3590S	551000		Office Supplies	0	0	0
119	3590S	552010		Specialized Supplies	0	0	0
120	3590S	552020		Meter Boxes	0	0	0
121	3590S	552030		Equipment and Tools	0	0	0
122	3590S	552050		Medical Supplies	0	0	0
123	3590S	552060		Chemicals	0	0	0
124	3590S	552070		Small Furniture and Fixtures	0	0	0
125	3590S	552080		Traffic Control / Signs	0	0	0
126	3590S	552090		Horticultural / Beautification	0	0	0
127	3590S	552140		Diesel Fuel	0	0	0
128	3590S	552150		Motor Vehicle Fuel	0	0	0
129	3590S	552160		Grease, Oil, and Lubricants	0	0	0
130	3590S	552170		Computer Equipment and Supplies	0	0	0
131	3590S	552180		Water Main Repair Parts	0	0	0
132	3590S	552200		Uniforms / Protective Clothing	0	0	0
133	3590S	552210		Building Materials / Supplies	0	0	0
134	3590S	552230		CM Project / Program Supplies	0	0	0
135	3590S	552250		Machinery Parts	0	0	0
136	3590S	552270		Hurricane Preparedness	0	0	0
137	3590S	552290		Cement	0	0	0
138	3590S	552300		Drafting Supplies	0	0	0
139	3590S	553010		Rock and Fill	0	0	0
140	3590S	553020		Asphalt Paving Road Materials	0	0	0
141	3590S	554010		Books and Publications	0	0	0
142	3590S	554030		Dues and Memberships	0	0	0
143	3590S	554040		Internet Subscriptions	0	0	0
144	3590S	555010		Computer Training	0	0	0
145	3590S	555020		Meetings and Seminars	0	0	0
146	3590S	555030		Tuition Reimbursement	0	0	0
147	3590S	555040		General Employee Training	0	0	0
148	3590S	555060		License and Certification	0	0	0
149	3590S	559010		Depreciation Expense	0	0	0
150	3590S	564040		Machinery and Equipment [2]	0	0	0
151	3590S	564070		Computer Equipment and Supplies [2]	0	0	0
152	3590S	565000	24002	Construction in Progress [2]	850,000	(850,000)	0

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

Fiscal Year 2022 Budgeted Wastewater Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
153	3590S	565000	94901	Construction in Progress [2]	0	0	0
154	3590S	565000	P1605	Construction in Progress [2]	0	0	0
155	3590S	565010	P1905	Pre-Construction (Design) [2]	50,923	(50,923)	0
156				Total Operating Services	\$10,162,923	(\$487,597)	\$9,675,326
157				Total Non-Departmental	\$10,162,923	(\$487,597)	\$9,675,326
	3595S			Renewal & Replacement			
				<u>Personnel Costs</u>			
158	3595S	512000		Regular Salaries and Wages	\$0	\$0	\$0
159	3595S	513050		Other Salaries and Wages	0	0	0
160	3595S	514000		Overtime Pay	0	0	0
161	3595S	515150		Auto and Travel Allowances	0	0	0
162	3595S	515200		Sick Leave Buyback	0	0	0
163	3595S	515250		Payouts - Civil Service	0	0	0
164	3595S	515300		Payouts - Sick Leave	0	0	0
165	3595S	515350		Payouts - Vacation Pay	0	0	0
166	3595S	515400		Tool Allowance	0	0	0
167	3595S	515500		Sick Accrual Expense	0	0	0
168	3595S	515550		Vacation Accrual Expense	0	0	0
169	3595S	521050		Social Security	0	0	0
170	3595S	521100		Medicare	0	0	0
171	3595S	522150		Pensions - General Employees	0	0	0
172	3595S	522200		Pensions - ICMA 401a	0	0	0
173	3595S	522250		Pensions - OPEB	0	0	0
174	3595S	522300		401a Match Program	0	0	0
175	3595S	522350		Pensions - Retirement Health	0	0	0
176	3595S	523050		Health Insurance	0	0	0
177	3595S	523100		Dental Insurance	0	0	0
178	3595S	523150		Life Insurance	0	0	0
179	3595S	523200		Long-term Disability Insurance	0	0	0
180	3595S	524000		Workers' Compensation	0	0	0
181	3595S	525000		Unemployment Compensation Fee	0	0	0
182				Total Personnel Costs	\$0	\$0	\$0
				<u>Operating Services</u>			
183	3595S	531010	P2139	Professional Services [2]	\$82,210	\$0	\$82,210
184	3595S	534010	P2139	Outside Services [2]	49,224	0	49,224
185	3595S	552170		Computer Equipment and Supplies [2]	0	0	0
186	3595S	563070		Sewer Lines [2]	0	0	0
187	3595S	564040		Machinery and Equipment [2]	0	0	0
188	3595S	565000	P1714	Construction in Progress [2]	540,747	(540,747)	0
189	3595S	565000		Construction in Progress [2]	0	0	0
190	3595S	565000		Construction in Progress [2]	0	0	0
191	3595S	565000		Improvements & Extensions [2]	850,000	(850,000)	0
192	3595S	565010	P2003	Pre-Construction (Design) [2]	71,041	(71,041)	0
193	3595S	565010	P2122	Pre-Construction (Design) [2]	73,990	(73,990)	0
194	3595S	565010	P2119	Pre-Construction (Design) [2]	107,576	(107,576)	0
195	3595S	565010	P2015	Pre-Construction (Design) [2]	256,075	(256,075)	0
196	3595S	565010	P2121	Pre-Construction (Design) [2]	272,474	(272,474)	0
197	3595S	565010	P2018	Pre-Construction (Design) [2]	361,092	(361,092)	0
198	3595S	565010	P2002	Pre-Construction (Design) [2]	398,659	(398,659)	0
199	3595S	565010	P2133	Pre-Construction (Design) [2]	110,145	(110,145)	0
200	3595S	565010	P2130	Pre-Construction (Design) [2]	162,554	(162,554)	0
201	3595S	565010	P2136	Pre-Construction (Design) [2]	162,554	(162,554)	0
202	3595S	565010	P2137	Pre-Construction (Design) [2]	162,554	(162,554)	0
203	3595S	565010	P2131	Pre-Construction (Design) [2]	199,070	(199,070)	0
204	3595S	565010	P2134	Pre-Construction (Design) [2]	203,636	(203,636)	0

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

Fiscal Year 2022 Budgeted Wastewater Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
205	3595S	565010	P2135	Pre-Construction (Design) [2]	204,410	(204,410)	0
206	3595S	565010	P2129	Pre-Construction (Design) [2]	281,325	(281,325)	0
207	3595S	565010	P2132	Pre-Construction (Design) [2]	297,102	(297,102)	0
208				Total Operating Services	\$4,846,436	(\$4,715,002)	\$131,434
209				Total Renewal & Replacement	\$4,846,436	(\$4,715,002)	\$131,434
	3596S			Equipment Replacement			
				<u>Operating Services</u>			
210	3596S	549530		Admin Charges to Fleet Services	\$0	\$0	\$0
211	3596S	549531		Replacement Vehicles	\$197,507	0	\$197,507
212	3596S	549532		Operation & Maintenance	\$118,529	0	\$118,529
213				Total Operating Services	\$316,036	\$0	\$316,036
214				Total Equipment Replacement	\$316,036	\$0	\$316,036
215				Subtotal Sewer System	\$17,476,102	(\$5,650,084)	\$11,826,019
	4838S			SRF Loan WW0061720			
				<u>Operating Services</u>			
216	4838S	531010	P1713	Professional Services	\$10,500	(\$10,500)	\$0
217	4838S	565000	P1713	Construction in Progress	2,252,879	(2,252,879)	0
218	4838S	565010	P1713	Pre-Construction (Design)	14,600	(14,600)	0
219	4838S	572200	P1713	Interest Series	123,312	(123,312)	0
220				Total Operating Services	\$2,401,291	(\$2,401,291)	\$0
221				Total SRF Loan WW0061720	\$2,401,291	(\$2,401,291)	\$0
	8912S			Charges to Other Fund			
222	8912S	549001		Administrative Transfer to the General Fund	\$692,909	0	\$692,909
223	8912S	549160		Administrative Transfer to the Transportation	874	0	874
224	8912S	549410		Administrative Transfer to the Sanitation	61,860	0	61,860
225	8912S	549440		Administrative Transfer to the Stormwater	11,489	0	11,489
226				Total Charges to Other Funds	\$767,132	\$0	\$767,132
	9010S			Transfers to Other Funds			
227	9010S	549110		10% Operating Reserve	\$0	\$0	\$0
227	9010S	549103		Transfer to Renewal and Replacement Fund [6]	0	0	0
228	9010S	549801		Transfer to General Fund [5]	0	0	0
229	9010S	549860		Transfer to Transportation [5]	0	0	0
230	9010S	549880		Transfer to Capital Projects [5]	0	0	0
231	9010S	549890		Transfer to General Liability [5]	0	0	0
232	9010S	549891		Transfer to Impact Fee [5]	0	0	0
233				Total Transfers to Other Funds	\$0	\$0	\$0
				Other			
234		599000		Capital Reclassified as Operating Expense	\$0	\$0	\$0
235				Contingency (0.00% of O&M) [7]	0	0	0
236				Bad Debt (0.25% of Rate Revenues) [8]	0	36,598	36,598
237				Additional Personnel Expenses	0	0	0
238				Total Other Expenses	\$0	\$36,598	\$36,598
239				Total System	\$20,644,525	(\$8,014,777)	\$12,629,748

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

Fiscal Year 2022 Budgeted Wastewater Operating Expenses [1]

Line No.	Department Code	Object Codes	Project Codes	Description	Amended 2022	Adjustments	Adjusted 2022
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Footnotes:

- [1] Based on budgeted figures for the Fiscal Year Ending September 30, 2022 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
- [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
- [5] Amounts reflect reductions in the operating budget for intergovernmental transfers.
- [6] Amount reflect reductions in the operating budget for transfers to the R&R Fund shown in Table 1-16.
- [7] No contingency was assumed in Fiscal Year 2022 as the City already budgets its expenses on a generally conservative basis.
- [8] Amount based on 0.25% of annual revenues to allow for uncollectible accounts.

Draft 1

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

Projected Water Operating Expenses

Line No.	Department Code	Object Codes	Sub Codes	Description	Adjusted [1] 2022	Escalation Reference [2]	Projected Fiscal Year Ending September 30,					
							2023	2024	2025	2026	2027	2028
	3310W			Water Administration								
				Personnel Costs								
1	3310W	512000		Regular Salaries and Wages	\$1,159,442	Personnel	\$1,217,414	\$1,260,024	\$1,304,124	\$1,349,769	\$1,397,011	\$1,445,906
2	3310W	514000		Overtime Pay	1,350	Personnel	1,418	1,467	1,518	1,572	1,627	1,684
3	3310W	515150		Auto and Travel Allowances	480	Inflation	514	539	552	564	578	592
4	3310W	515155		Phone Allowance	5,036	Personnel	5,288	5,473	5,664	5,863	6,068	6,280
5	3310W	515250		Payouts - Civil Service	0	Personnel	0	0	0	0	0	0
6	3310W	515300		Payouts - Sick Leave	0	Personnel	0	0	0	0	0	0
7	3310W	515350		Payouts - Vacation Pay	0	Personnel	0	0	0	0	0	0
8	3310W	521050		Social Security	65,134	Personnel	68,391	70,784	73,262	75,826	78,480	81,227
9	3310W	521100		Medicare	15,281	Personnel	16,045	16,607	17,188	17,789	18,412	19,056
10	3310W	522150		Pensions - General Employees	102,653	Personnel	107,786	111,558	115,463	119,504	123,687	128,016
11	3310W	522201		Pensions - FRS	95,052	Personnel	99,805	103,298	106,913	110,655	114,528	118,537
12	3310W	522200		Pensions - ICMA 401a	0	Personnel	0	0	0	0	0	0
13	3310W	522250		Pensions - OPEB	0	Personnel	0	0	0	0	0	0
14	3310W	522300		401a Match Program	10,384	Personnel	10,903	11,285	11,680	12,089	12,512	12,950
15	3310W	522350		Pensions - Retirement Health	0	Personnel	0	0	0	0	0	0
16	3310W	523050		Health Insurance	189,537	Ins-Health	208,491	229,340	252,274	277,501	305,251	335,776
17	3310W	523100		Dental Insurance	8,877	Ins-Health	9,765	10,741	11,815	12,997	14,296	15,726
18	3310W	523150		Life Insurance	1,061	Ins-Health	1,167	1,284	1,412	1,553	1,709	1,880
19	3310W	523200		Long-term Disability Insurance	851	Ins-Health	936	1,030	1,133	1,246	1,371	1,508
20	3310W	524000		Workers' Compensation	16,745	Worker Comp	17,582	18,461	19,384	20,354	21,371	22,440
21				Total Personnel Costs	\$1,671,883		\$1,765,503	\$1,841,890	\$1,922,383	\$2,007,281	\$2,096,900	\$2,191,576
				Operating Services								
22	3310W	531010	P2117	Professional Services	\$80,000	ProfSvc	\$83,200	\$86,528	\$89,989	\$93,589	\$97,332	\$101,226
23	3310W	531010	P2142	Professional Services	0	ProfSvc	0	0	0	0	0	0
24	3310W	531010		Professional Services	35,000	ProfSvc	36,400	37,856	39,370	40,945	42,583	44,286
25	3310W	534010	P1715	Outside Services	15,077	ProfSvc	15,680	16,307	16,960	17,638	18,343	19,077
26	3310W	534010	P2013	Outside Services	22,525	ProfSvc	23,426	24,363	25,338	26,351	27,405	28,501
27	3310W	534010		Outside Services	300,207	ProfSvc	268,335	279,069	290,231	301,841	313,914	326,471
28	3310W	534040		Special Events	7,900	Inflation	8,453	8,876	9,080	9,289	9,512	9,740
29	3310W	541010		Phone and Communications	0	Inflation	0	0	0	0	0	0
30	3310W	544010		Uniforms	0	Inflation	0	0	0	0	0	0
31	3310W	546090		Office Equipment	1,800	Inflation	1,926	2,022	2,069	2,116	2,167	2,219
32	3310W	548020		Promotional Supplies	1,800	Inflation	1,926	2,022	2,069	2,116	2,167	2,219
33	3310W	549990		Working Reserves	0	Inflation	0	0	0	0	0	0
34	3310W	551000		Office Supplies	3,600	Inflation	3,852	4,045	4,138	4,233	4,334	4,438
35	3310W	552050		Medical Supplies	180	Inflation	193	202	207	212	217	222
36	3310W	552070		Small Furniture & Fixture	15,000	Fuel	16,500	17,655	18,891	20,213	21,628	23,142
37	3310W	552150		Motor Vehicle Fuel	2,000	Fuel	2,200	2,354	2,519	2,695	2,884	3,086
38	3310W	552170		Computer Equipment and Supplies	4,580	Inflation	4,901	5,146	5,264	5,385	5,514	5,647
39	3310W	552200		Uniforms / Protective Clothing	2,260	Inflation	2,418	2,539	2,598	2,657	2,721	2,786
40	3310W	552250		Machinery & Equip. Parts	15,000	Inflation	16,050	16,853	17,240	17,637	18,060	18,493
41	3310W	552250	P1715	Machinery Parts	55,000	Inflation	58,850	61,793	63,214	64,668	66,220	67,809
42	3310W	552300		Drafting Supplies	1,350	Inflation	1,445	1,517	1,552	1,587	1,625	1,664
43	3310W	554010		Books and Publications	0	Inflation	0	0	0	0	0	0
44	3310W	554030		Dues and Memberships	19,604	Inflation	20,976	22,025	22,532	23,050	23,603	24,170
45	3310W	555020		Meetings and Seminars	23,650	Inflation	25,306	26,571	27,182	27,807	28,474	29,158
46	3310W	555040		General Employee Training	4,000	Inflation	4,280	4,494	4,597	4,703	4,816	4,932
47	3310W	555052		Public Education Program	6,600	Inflation	7,062	7,415	7,586	7,760	7,946	8,137
48	3310W	555060		License and Certification	16,425	Inflation	17,575	18,453	18,878	19,312	19,776	20,250
49	3310W	564010		Passenger Vehicles	0	Eliminate	0	0	0	0	0	0
50	3310W	565000	P1715	Construction in Progress	0	Eliminate	0	0	0	0	0	0
51				Total Operating Services	\$633,558		\$620,953	\$648,104	\$671,501	\$695,804	\$721,243	\$747,673
52				Total Water Administration	\$2,305,441		\$2,386,456	\$2,489,994	\$2,593,884	\$2,703,085	\$2,818,142	\$2,939,249
	3320W			Water Production								
				Personnel Costs								
53	3320W	512000		Regular Salaries and Wages	\$866,482	Personnel	\$909,806	\$941,649	\$974,607	\$1,008,718	\$1,044,023	\$1,080,564
54	3320W	513050		Relief Employees	37,500	Personnel	39,375	40,753	42,179	43,656	45,184	46,765
55	3320W	514000		Overtime Pay	67,500	Personnel	70,875	73,356	75,923	78,580	81,331	84,177
56	3320W	515150		Auto and Travel Allowances	0	Inflation	0	0	0	0	0	0
57	3320W	515155		Phone Allowance	420	Personnel	441	456	472	489	506	524
58	3320W	515250		Payouts - Civil Service	0	Personnel	0	0	0	0	0	0
59	3320W	515300		Payouts - Sick Leave	0	Personnel	0	0	0	0	0	0
60	3320W	515350		Payouts - Vacation Pay	0	Personnel	0	0	0	0	0	0
61	3320W	521050		Social Security	53,748	Personnel	56,435	58,411	60,455	62,571	64,761	67,028
62	3320W	521100		Medicare	12,570	Personnel	13,199	13,660	14,139	14,633	15,146	15,676
63	3320W	522150		Pensions - General Employees	74,641	Personnel	78,373	81,116	83,955	86,894	89,935	93,083
64	3320W	522200		Pensions - ICMA 401a	0	Personnel	0	0	0	0	0	0
65	3320W	522201		Pensions - FRS	75,599	Personnel	79,379	82,157	85,033	88,009	91,089	94,277
66	3320W	522250		Pensions - OPEB	0	Personnel	0	0	0	0	0	0
67	3320W	522300		401a Match Program	8,508	Personnel	8,933	9,246	9,570	9,905	10,251	10,610
68	3320W	522350		Pensions - Retirement Health	0	Personnel	0	0	0	0	0	0
69	3320W	523050		Health Insurance	166,964	Ins-Health	183,660	202,026	222,229	244,452	268,897	295,787
70	3320W	523100		Dental Insurance	1,723	Ins-Health	1,895	2,085	2,293	2,523	2,775	3,052
71	3320W	523150		Life Insurance	1,077	Ins-Health	1,185	1,303	1,433	1,577	1,735	1,908
72	3320W	523200		Long-term Disability Insurance	865	Ins-Health	952	1,047	1,151	1,266	1,393	1,532
73	3320W	524000		Workers' Compensation	39,995	Worker Comp	41,995	44,094	46,299	48,614	51,045	53,597
74				Total Personnel Costs	\$1,407,592		\$1,486,503	\$1,551,361	\$1,619,740	\$1,691,887	\$1,768,070	\$1,848,580
				Operating Services								
75	3320W	531010	P2109	Professional Services	\$0	Eliminate	\$0	\$0	\$0	\$0	\$0	\$0
76	3320W	531010		Professional Services	109,000	ProfSvc	113,360	117,894	122,610	127,515	132,615	137,920
77	3320W	531010		Professional Services	0	ProfSvc	0	0	0	0	0	0
78	3320W	534010		Outside Services	367,375	Repair	385,744	405,031	425,282	446,547	468,874	492,318
79	3320W	534010		Outside Services	0	ProfSvc	0	0	0	0	0	0
80	3320W	534010		Outside Services	0	ProfSvc	0	0	0	0	0	0
81	3320W	534040		Special Events	0	Inflation	0	0	0	0	0	0
82	3320W	541010		Phone and Communications	0	Inflation	0	0	0	0	0	0
83	3320W	543010		Electricity	250,000	Utility-W	267,364	288,261	306,206	324,676	347,089	369,296
84	3320W	544010		Uniforms	4,471	Inflation	4,784	5,023	5,139	5,257	5,383	5,512

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

Projected Water Operating Expenses

Line No.	Department Code	Object Codes	Sub Codes	Description	Adjusted [1] 2022	Escalation Reference [2]	Projected Fiscal Year Ending September 30.					
							2023	2024	2025	2026	2027	2028
85	3320W	544030		Equipment Rental	500	Inflation	535	562	575	588	602	616
86	3320W	546070		Equipment Maintenance Agreements	37,268	Repair	39,131	41,088	43,142	45,299	47,564	49,942
87	3320W	546090		Office Equipment	0	Inflation	0	0	0	0	0	0
88	3320W	551000		Office Supplies	0	Inflation	0	0	0	0	0	0
89	3320W	552010		Specialized Supplies	2,500	Inflation	2,675	2,809	2,873	2,939	3,010	3,082
90	3320W	552030		Equipment and Tools	2,200	Repair	2,310	2,426	2,547	2,674	2,808	2,948
91	3320W	552050		Medical Supplies	0	Inflation	0	0	0	0	0	0
92	3320W	552060		Chemicals	524,623	Chem-W	582,233	621,818	654,295	687,219	727,727	766,982
93	3320W	552070		Small Furniture and Fixtures	0	Inflation	0	0	0	0	0	0
94	3320W	552140		Diesel Fuel	5,000	Fuel	5,500	5,885	6,297	6,738	7,209	7,714
95	3320W	552150		Motor Vehicle Fuel	891	Fuel	980	1,049	1,122	1,201	1,285	1,375
96	3320W	552160		Grease, Oil, and Lubricants	0	Inflation	0	0	0	0	0	0
97	3320W	552170		Computer Equipment and Supplies	0	Inflation	0	0	0	0	0	0
97	3320W	552175		Computer Software	2,899	Inflation	3,102	3,257	3,332	3,409	3,490	3,574
98	3320W	552200		Uniforms / Protective Clothing	2,750	Inflation	2,943	3,090	3,161	3,233	3,311	3,390
99	3320W	552250		Machinery Parts	105,800	Repair	111,090	116,645	122,477	128,601	135,031	141,782
100	3320W	552280		Purchased Water	443,000	Bulk Water	469,299	501,206	527,384	553,921	586,573	618,213
101	3320W	552300		Drafting Supplies	0	Inflation	0	0	0	0	0	0
102	3320W	554010		Books and Publications	0	Inflation	0	0	0	0	0	0
103	3320W	554030		Dues and Memberships	840	Inflation	899	944	965	988	1,011	1,036
104	3320W	555020		Meetings and Seminars	0	Inflation	0	0	0	0	0	0
105	3320W	555040		General Employee Training	4,500	Inflation	4,815	5,056	5,172	5,291	5,418	5,548
106	3320W	555060		License and Certification	10,284	Inflation	11,004	11,554	11,820	12,092	12,382	12,679
107	3320W	555060		License and Certification	0	Inflation	0	0	0	0	0	0
108	3320W	564040		Machinery and Equipment	0	Eliminate	0	0	0	0	0	0
109	3320W	565000	P2107	Construction in Progress	0	Eliminate	0	0	0	0	0	0
106	3320W	565000	P1903	Construction in Progress	0	Eliminate	0	0	0	0	0	0
107	3320W	565000	P2106	Construction in Progress	0	Eliminate	0	0	0	0	0	0
108	3320W	565000	P1908	Construction in Progress	0	Eliminate	0	0	0	0	0	0
109	3320W	565000	P1907	Construction in Progress	0	Eliminate	0	0	0	0	0	0
110	3320W	565000	P1606	Construction in Progress	0	Eliminate	0	0	0	0	0	0
110	3320W	565010	P1908	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
110	3320W	565010	P1606	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
110	3320W	565010	P2109	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
111				Total Operating Services	\$1,873,901		\$2,007,768	\$2,133,596	\$2,244,399	\$2,358,187	\$2,491,382	\$2,623,928
112				Total Water Production	\$3,281,493		\$3,494,271	\$3,684,956	\$3,864,139	\$4,050,074	\$4,259,453	\$4,472,508
	3330W			Transmission and Distribution								
				<u>Personnel Costs</u>								
113	3330W	512000		Regular Salaries and Wages	\$898,356	Personnel	\$943,274	\$976,288	\$1,010,458	\$1,045,825	\$1,082,428	\$1,120,313
114	3330W	513000		Other Salaries and Wages	0	Personnel	0	0	0	0	0	0
115	3330W	514000		Overtime Pay	50,000	Personnel	52,500	54,338	56,239	58,208	60,245	62,354
116	3330W	515150		Auto and Travel Allowances	0	Inflation	0	0	0	0	0	0
116	3330W	515155		Phone Allowance	1,470	Personnel	1,544	1,598	1,653	1,711	1,771	1,833
117	3330W	515250		Payouts - Civil Service	0	Personnel	0	0	0	0	0	0
118	3330W	515300		Payouts - Sick Leave	0	Personnel	0	0	0	0	0	0
119	3330W	515350		Payouts - Vacation Pay	0	Personnel	0	0	0	0	0	0
120	3330W	521050		Social Security	55,789	Personnel	58,578	60,629	62,751	64,947	67,220	69,573
121	3330W	521100		Medicare	13,047	Personnel	13,699	14,179	14,675	15,189	15,720	16,271
122	3330W	522150		Pensions - General Employees	67,586	Personnel	70,965	73,449	76,020	78,680	81,434	84,285
122	3330W	522201		Pensions - FRS	74,682	Personnel	78,416	81,161	84,001	86,941	89,984	93,134
123	3330W	522200		Pensions - ICMA 401a	0	Personnel	0	0	0	0	0	0
124	3330W	522250		Pensions - OPEB	0	Personnel	0	0	0	0	0	0
125	3330W	522300		401a Match Program	8,848	Personnel	9,290	9,616	9,952	10,300	10,661	11,034
126	3330W	522350		Pensions - Retirement Health	0	Personnel	0	0	0	0	0	0
127	3330W	523050		Health Insurance	214,582	Ins-Health	236,040	259,644	285,609	314,170	345,586	380,145
128	3330W	523100		Dental Insurance	8,640	Ins-Health	9,504	10,454	11,500	12,650	13,915	15,306
129	3330W	523150		Life Insurance	1,215	Ins-Health	1,337	1,470	1,617	1,779	1,957	2,152
130	3330W	523200		Long-term Disability Insurance	975	Ins-Health	1,073	1,180	1,298	1,427	1,570	1,727
131	3330W	524000		Workers' Compensation	37,086	Worker Comp	38,940	40,887	42,932	45,078	47,332	49,699
132				Total Personnel Costs	\$1,432,276		\$1,515,160	\$1,584,892	\$1,658,705	\$1,736,905	\$1,819,825	\$1,907,826
				<u>Operating Services</u>								
133	3330W	531010		Professional Services	\$6,500	ProfSvc	\$6,760	\$7,030	\$7,312	\$7,604	\$7,908	\$8,225
134	3330W	531010		Professional Services	0	ProfSvc	0	0	0	0	0	0
135	3330W	531010		Professional Services	0	ProfSvc	0	0	0	0	0	0
136	3330W	534010		Outside Services	31,500	ProfSvc	32,760	34,070	35,433	36,851	38,325	39,858
137	3330W	534010		Outside Services	0	ProfSvc	0	0	0	0	0	0
138	3330W	534010		Outside Services	0	ProfSvc	0	0	0	0	0	0
139	3330W	534040		Special Events	0	Inflation	0	0	0	0	0	0
140	3330W	541010		Phone and Communications	0	Inflation	0	0	0	0	0	0
141	3330W	543010		Electricity	0	Utility	0	0	0	0	0	0
142	3330W	544010		Uniforms	4,108	Inflation	4,396	4,615	4,721	4,830	4,946	5,065
143	3330W	544030		Equipment Rental	0	Inflation	0	0	0	0	0	0
144	3330W	546070		Equipment Maintenance Agreements	2,000	Repair	2,100	2,205	2,315	2,431	2,553	2,680
144	3330W	546080		Infrastructure Maintenance	100,000	Inflation	107,000	112,350	114,934	117,578	120,399	123,289
145	3330W	546090		Office Equipment	0	Inflation	0	0	0	0	0	0
146	3330W	547000		Printing and Binding	0	Inflation	0	0	0	0	0	0
147	3330W	551000		Office Supplies	0	Inflation	0	0	0	0	0	0
148	3330W	552010		Specialized Supplies	0	Inflation	0	0	0	0	0	0
149	3330W	552020		Meter Boxes	110,000	Repair	115,500	121,275	127,339	133,706	140,391	147,411
150	3330W	552030		Equipment and Tools	7,000	Repair	7,350	7,718	8,103	8,509	8,934	9,381
151	3330W	552050		Medical Supplies	0	Inflation	0	0	0	0	0	0
152	3330W	552060		Chemicals	0	Chemical	0	0	0	0	0	0
153	3330W	552070		Small Furniture and Fixtures	0	Inflation	0	0	0	0	0	0
154	3330W	552080		Traffic Control / Signs	2,500	Inflation	2,675	2,809	2,873	2,939	3,010	3,082
155	3330W	552140		Diesel Fuel	3,564	Fuel	3,920	4,195	4,488	4,803	5,139	5,499
156	3330W	552150		Motor Vehicle Fuel	12,288	Fuel	13,517	14,463	15,475	16,559	17,718	18,958
157	3330W	552160		Grease, Oil, and Lubricants	0	Inflation	0	0	0	0	0	0
158	3330W	552170		Computer Equipment and Supplies	0	Inflation	0	0	0	0	0	0
159	3330W	552180		Water Main Repair Parts	140,000	Repair	147,000	154,350	162,068	170,171	178,679	187,613
160	3330W	552200		Uniforms / Protective Clothing	3,580	Inflation	3,831	4,022	4,115	4,209	4,310	4,414
161	3330W	552210		Building Materials / Supplies	4,000	Inflation	4,280	4,494	4,597	4,703	4,816	4,932
162	3330W	552250		Machinery Parts	2,500	Repair	2,625	2,756	2,894	3,039	3,191	3,350

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

Projected Water Operating Expenses

Line No.	Department Code	Object Codes	Sub Codes	Description	Adjusted [1] 2022	Escalation Reference [2]	Projected Fiscal Year Ending September 30.					
							2023	2024	2025	2026	2027	2028
162	3330W	552260		Parts for Water Meter Rep	4,000	Inflation	4,280	4,494	4,597	4,703	4,816	4,932
163	3330W	552280		Purchased Water	0	Inflation	0	0	0	0	0	0
164	3330W	552290		Restoration Supplies	2,500	Inflation	2,675	2,809	2,873	2,939	3,010	3,082
165	3330W	553010		Rock and Fill	8,500	Inflation	9,095	9,550	9,769	9,994	10,234	10,480
166	3330W	553010		Rock and Fill	0	Inflation	0	0	0	0	0	0
167	3330W	553020		Asphalt Paving Road Materials	15,000	Inflation	16,050	16,853	17,240	17,637	18,060	18,493
168	3330W	552300		Drafting Supplies	0	Inflation	0	0	0	0	0	0
169	3330W	554010		Books and Publications	0	Inflation	0	0	0	0	0	0
170	3330W	554030		Dues and Memberships	0	Inflation	0	0	0	0	0	0
171	3330W	555020		Meetings and Seminars	0	Inflation	0	0	0	0	0	0
172	3330W	555040		General Employee Training	8,375	Inflation	8,961	9,409	9,626	9,847	10,083	10,325
173	3330W	555060		License and Certification	4,600	Inflation	4,922	5,168	5,287	5,409	5,538	5,671
174	3330W	555060		License and Certification	0	Inflation	0	0	0	0	0	0
174	3330W	564030		Trucks - Heavy	0	Eliminate	0	0	0	0	0	0
174	3330W	564040		Machinery & Equipment	0	Eliminate	0	0	0	0	0	0
175	3330W	564060		Communications Equipment	0	Eliminate	0	0	0	0	0	0
176	3330W	565000	P2004	Construction in Progress	0	Eliminate	0	0	0	0	0	0
177				Total Operating Services	\$472,515		\$499,697	\$524,635	\$546,061	\$568,459	\$592,060	\$616,738
178				Total Transmission and Distribution	\$1,904,791		\$2,014,857	\$2,109,527	\$2,204,767	\$2,305,365	\$2,411,885	\$2,524,564
3340W				Utility Billing Division								
				Personnel Costs								
179	3340W	512000		Regular Salaries and Wages	\$640,165	Personnel	\$672,173	\$695,699	\$720,049	\$745,250	\$771,334	\$798,331
180	3340W	513000		Other Salaries and Wages	41,600	Personnel	43,680	45,209	46,791	48,429	50,124	51,878
181	3340W	514000		Overtime Pay	0	Personnel	0	0	0	0	0	0
182	3340W	515150		Auto and Travel Allowances	0	Inflation	0	0	0	0	0	0
182	3340W	515155		Phone Allowance	840	Personnel	882	913	945	978	1,012	1,048
183	3340W	515250		Payouts - Civil Service	0	Personnel	0	0	0	0	0	0
184	3340W	515200		Payouts - Sick Leave	0	Personnel	0	0	0	0	0	0
185	3340W	515350		Payouts - Vacation Pay	0	Personnel	0	0	0	0	0	0
186	3340W	521050		Social Security	42,187	Personnel	44,296	45,847	47,451	49,112	50,831	52,610
187	3340W	521100		Medicare	9,899	Personnel	10,394	10,758	11,134	11,524	11,927	12,345
188	3340W	522150		Pensions - General Employees	35,297	Personnel	37,062	38,359	39,702	41,091	42,529	44,018
188	3340W	522201		Pensions - FRS	78,695	Personnel	82,630	85,522	88,515	91,613	94,820	98,138
189	3340W	522200		Pensions - ICMA 401a	0	Personnel	0	0	0	0	0	0
190	3340W	522250		Pensions - OPEB	0	Personnel	0	0	0	0	0	0
191	3340W	522300		401a Match Program	6,377	Personnel	6,696	6,930	7,173	7,424	7,684	7,953
192	3340W	522350		Pensions - Retirement Health	0	Personnel	0	0	0	0	0	0
193	3340W	523050		Health Insurance	162,361	Ins-Health	178,597	196,457	216,102	237,713	261,484	287,632
194	3340W	523100		Dental Insurance	6,309	Ins-Health	6,940	7,634	8,397	9,237	10,161	11,177
195	3340W	523150		Life Insurance	873	Ins-Health	960	1,056	1,162	1,278	1,406	1,547
196	3340W	523200		Long-term Disability Insurance	701	Ins-Health	771	848	933	1,026	1,129	1,242
197	3340W	524000		Workers' Compensation	1,512	Worker-Comp	1,588	1,667	1,750	1,838	1,930	2,026
198				Total Personnel Costs	\$1,026,816		\$1,086,669	\$1,136,899	\$1,190,105	\$1,246,513	\$1,306,370	\$1,369,944
				Operating Services								
199	3340W	531010		Professional Services	\$0	ProfSvc	\$0	\$0	\$0	\$0	\$0	\$0
200	3340W	531050		Filing and Lien Recording Fees	0	Inflation	0	0	0	0	0	0
201	3340W	534010		Outside Services	101,028	ProfSvc	105,069	109,272	113,643	118,188	122,916	127,833
202	3340W	534010		Outside Services	0	ProfSvc	0	0	0	0	0	0
203	3340W	534010		Outside Services	0	ProfSvc	0	0	0	0	0	0
204	3340W	534040		Special Events	0	Inflation	0	0	0	0	0	0
205	3340W	539055		Credit Card Fees	142,000	Inflation	151,940	159,537	163,206	166,960	170,967	175,070
206	3340W	541010		Phone and Communications	0	Inflation	0	0	0	0	0	0
207	3340W	542000		Postage and Freight	58,000	Inflation	62,060	65,163	66,662	68,195	69,832	71,508
208	3340W	543010		Electricity	0	Utility	0	0	0	0	0	0
209	3340W	544010		Uniforms	0	Inflation	0	0	0	0	0	0
210	3340W	544030		Equipment Rental	0	Inflation	0	0	0	0	0	0
211	3340W	546050		Computer Hardware Maintenance	0	Inflation	0	0	0	0	0	0
212	3340W	546060		Computer Software Maintenance	0	Inflation	0	0	0	0	0	0
213	3340W	546070		Equipment Maintenance Agreements	0	Repair	0	0	0	0	0	0
214	3340W	546090		Office Equipment	0	Inflation	0	0	0	0	0	0
215	3340W	547000		Printing and Binding	750	Inflation	803	843	862	882	903	925
216	3340W	551000		Office Supplies	1,500	Inflation	1,605	1,685	1,724	1,764	1,806	1,849
217	3340W	552010		Specialized Supplies	0	Inflation	0	0	0	0	0	0
218	3340W	552020		Meter Boxes	0	Repair	0	0	0	0	0	0
219	3340W	552030		Equipment and Tools	0	Inflation	0	0	0	0	0	0
220	3340W	552050		Medical Supplies	0	Inflation	0	0	0	0	0	0
221	3340W	552060		Chemicals	0	Chemical	0	0	0	0	0	0
222	3340W	552070		Small Furniture and Fixtures	0	Inflation	0	0	0	0	0	0
223	3340W	552070		Small Furniture and Fixtures	0	Inflation	0	0	0	0	0	0
224	3340W	552080		Traffic Control / Signs	0	Inflation	0	0	0	0	0	0
225	3340W	552140		Diesel Fuel	0	Fuel	0	0	0	0	0	0
226	3340W	552150		Motor Vehicle Fuel	0	Fuel	0	0	0	0	0	0
227	3340W	552160		Grease, Oil, and Lubricants	0	Inflation	0	0	0	0	0	0
228	3340W	552170		Computer Equipment and Supplies	0	Inflation	0	0	0	0	0	0
229	3340W	552180		Water Main Repair Parts	0	Repair	0	0	0	0	0	0
230	3340W	552200		Uniforms / Protective Clothing	1,208	Inflation	1,293	1,357	1,388	1,420	1,454	1,489
231	3340W	552210		Building Materials / Supplies	0	Inflation	0	0	0	0	0	0
232	3340W	552250		Machinery Parts	0	Repair	0	0	0	0	0	0
233	3340W	552280		Purchased Water	0	Inflation	0	0	0	0	0	0
234	3340W	552290		Cement	0	Inflation	0	0	0	0	0	0
235	3340W	553010		Rock and Fill	0	Inflation	0	0	0	0	0	0
236	3340W	553020		Asphalt Paving Road Materials	0	Inflation	0	0	0	0	0	0
237	3340W	552300		Drafting Supplies	0	Inflation	0	0	0	0	0	0
238	3340W	554010		Books and Publications	0	Inflation	0	0	0	0	0	0
239	3340W	554030		Dues and Memberships	932	Inflation	997	1,047	1,071	1,096	1,122	1,149
240	3340W	555020		Meetings and Seminars	7,530	Inflation	8,057	8,460	8,655	8,854	9,066	9,284
241	3340W	555040		General Employee Training	1,170	Inflation	1,252	1,314	1,345	1,376	1,409	1,442
242	3340W	555060		License and Certification	150	Inflation	161	169	172	176	181	185
243	3340W	564040		Machinery and Equipment	0	Eliminate	0	0	0	0	0	0
244	3340W	564040		Machinery and Equipment	0	Eliminate	0	0	0	0	0	0
245				Total Operating Services	\$314,268		\$333,236	\$348,847	\$358,728	\$368,911	\$379,656	\$390,734

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

Projected Water Operating Expenses

Line No.	Department Code	Object Codes	Sub Codes	Description	Adjusted [1] 2022	Escalation Reference [2]	Projected Fiscal Year Ending September 30,					
							2023	2024	2025	2026	2027	2028
246				Total Utility Billing Division	\$1,341,084		\$1,419,905	\$1,485,746	\$1,548,833	\$1,615,424	\$1,686,026	\$1,760,678
	3370W			Plant Maintenance								
				<u>Personnel Costs</u>								
247	3370W	512000		Regular Salaries and Wages	\$135,436	Personnel	\$142,208	\$147,185	\$152,337	\$157,668	\$163,187	\$168,898
248	3370W	513000		Other Salaries and Wages	0	Personnel	0	0	0	0	0	0
249	3370W	514000		Overtime Pay	35,000	Personnel	36,750	38,036	39,368	40,745	42,171	43,647
250	3370W	515150		Auto and Travel Allowances	0	Inflation	0	0	0	0	0	0
250	3370W	515155		Phone Allowance	420	Personnel	441	456	472	489	506	524
251	3370W	515250		Payouts - Civil Service	0	Personnel	0	0	0	0	0	0
252	3370W	515300		Payouts - Sick Leave	0	Personnel	0	0	0	0	0	0
253	3370W	515350		Payouts - Vacation Pay	0	Personnel	0	0	0	0	0	0
254	3370W	515400		Tool Allowance	0	Inflation	0	0	0	0	0	0
255	3370W	521050		Social Security	8,423	Personnel	8,844	9,154	9,474	9,806	10,149	10,504
256	3370W	521100		Medicare	1,970	Personnel	2,069	2,141	2,216	2,293	2,374	2,457
257	3370W	522150		Pensions - General Employees	29,857	Personnel	31,350	32,447	33,583	34,758	35,975	37,234
258	3370W	522200		Pensions - ICMA 401a	0	Personnel	0	0	0	0	0	0
258	3370W	522201		Pensions - FRS	7,407	Personnel	7,777	8,050	8,331	8,623	8,925	9,237
259	3370W	522250		Pensions - OPEB	0	Personnel	0	0	0	0	0	0
260	3370W	522300		401a Match Program	671	Personnel	705	729	755	781	808	837
261	3370W	522350		Pensions - Retirement Health	0	Personnel	0	0	0	0	0	0
262	3370W	523050		Health Insurance	23,347	Ins-Health	25,682	28,250	31,075	34,182	37,601	41,361
263	3370W	523100		Dental Insurance	301	Ins-Health	331	364	401	441	485	533
264	3370W	523150		Life Insurance	162	Ins-Health	178	196	216	237	261	287
265	3370W	523200		Long-term Disability Insurance	130	Ins-Health	143	157	173	190	209	230
266	3370W	524000		Workers' Compensation	3,261	Worker Comp	3,424	3,595	3,775	3,964	4,162	4,370
267				Total Personnel Costs	\$246,385		\$259,901	\$270,761	\$282,174	\$294,178	\$306,812	\$320,119
				<u>Operating Services</u>								
268	3370W	531010		Professional Services	\$0	ProfSvc	\$0	\$0	\$0	\$0	\$0	\$0
269	3370W	531050		Filing and Lien Recording Fees	0	Inflation	0	0	0	0	0	0
270	3370W	534010		Outside Services	0	ProfSvc	0	0	0	0	0	0
271	3370W	534040		Special Events	0	Inflation	0	0	0	0	0	0
272	3370W	539055		Credit Card Fees	0	Inflation	0	0	0	0	0	0
273	3370W	541010		Phone and Communications	0	Inflation	0	0	0	0	0	0
274	3370W	542000		Postage and Freight	0	Inflation	0	0	0	0	0	0
275	3370W	543010		Electricity	0	Utility	0	0	0	0	0	0
275	3370W	543020		Water/Sewer	150	Inflation	161	169	172	176	181	185
276	3370W	544010		Uniforms	735	Inflation	786	826	845	864	885	906
277	3370W	544030		Equipment Rental	0	Inflation	0	0	0	0	0	0
278	3370W	546050		Computer Hardware Maintenance	0	Inflation	0	0	0	0	0	0
279	3370W	546060		Computer Software Maintenance	0	Inflation	0	0	0	0	0	0
280	3370W	546070		Equipment Maintenance Agreements	0	Repair	0	0	0	0	0	0
281	3370W	546090		Office Equipment	0	Inflation	0	0	0	0	0	0
282	3370W	547000		Printing and Binding	0	Inflation	0	0	0	0	0	0
283	3370W	551000		Office Supplies	0	Inflation	0	0	0	0	0	0
284	3370W	552010		Specialized Supplies	0	Inflation	0	0	0	0	0	0
285	3370W	552020		Meter Boxes	0	Repair	0	0	0	0	0	0
286	3370W	552030		Equipment and Tools	1,200	Repair	1,260	1,323	1,389	1,459	1,532	1,608
287	3370W	552050		Medical Supplies	0	Inflation	0	0	0	0	0	0
288	3370W	552060		Chemicals	0	Chemical	0	0	0	0	0	0
289	3370W	552070		Small Furniture and Fixtures	0	Inflation	0	0	0	0	0	0
290	3370W	552080		Traffic Control / Signs	0	Inflation	0	0	0	0	0	0
291	3370W	552140		Diesel Fuel	0	Fuel	0	0	0	0	0	0
292	3370W	552150		Motor Vehicle Fuel	0	Fuel	0	0	0	0	0	0
293	3370W	552160		Grease, Oil, and Lubricants	0	Inflation	0	0	0	0	0	0
294	3370W	552170		Computer Equipment and Supplies	0	Inflation	0	0	0	0	0	0
295	3370W	552180		Water Main Repair Parts	0	Repair	0	0	0	0	0	0
296	3370W	552200		Uniforms / Protective Clothing	770	Inflation	824	865	885	905	927	949
297	3370W	552210		Building Materials / Supplies	6,000	Inflation	6,420	6,741	6,896	7,055	7,224	7,397
298	3370W	552250		Machinery Parts	0	Repair	0	0	0	0	0	0
299	3370W	552280		Purchased Water	0	Inflation	0	0	0	0	0	0
300	3370W	552290		Cement	0	Inflation	0	0	0	0	0	0
301	3370W	553010		Rock and Fill	0	Inflation	0	0	0	0	0	0
302	3370W	553020		Asphalt Paving Road Materials	0	Inflation	0	0	0	0	0	0
303	3370W	552300		Drafting Supplies	0	Inflation	0	0	0	0	0	0
304	3370W	554010		Books and Publications	0	Inflation	0	0	0	0	0	0
305	3370W	554030		Dues and Memberships	0	Inflation	0	0	0	0	0	0
306	3370W	555020		Meetings and Seminars	0	Inflation	0	0	0	0	0	0
307	3370W	555040		General Employee Training	3,000	Inflation	3,210	3,371	3,448	3,527	3,612	3,699
308	3370W	555060		License and Certification	0	Inflation	0	0	0	0	0	0
309	3370W	564040	P1606	Machinery and Equipment	0	Eliminate	0	0	0	0	0	0
310				Total Operating Services	\$11,855		\$12,661	\$13,294	\$13,635	\$13,986	\$14,360	\$14,745
311				Total Plant Maintenance	\$258,240		\$272,562	\$284,055	\$295,810	\$308,165	\$321,172	\$334,864
	3380W			Debt Service								
312	3380W	544020		Copiers / Office Equipment Leases	\$9,314	Inflation	\$9,966	\$10,464	\$10,705	\$10,951	\$11,214	\$11,483
312	3380W	571200		Principal Series	0	Eliminate	0	0	0	0	0	0
313	3380W	571220		Principal - 2012 Chase Note	0	Eliminate	0	0	0	0	0	0
314	3380W	571225		Principal - Bond Series 2014	0	Eliminate	0	0	0	0	0	0
315	3380W	572220		Interest - 2012 Chase Note	0	Eliminate	0	0	0	0	0	0
316	3380W	572225		Interest - Bond Series 2014	0	Eliminate	0	0	0	0	0	0
317				Total Debt Service	\$9,314		\$9,966	\$10,464	\$10,705	\$10,951	\$11,214	\$11,483
	3390W			Non-Departmental								
				<u>Personnel Costs</u>								
318	3390W	512000		Regular Salaries and Wages	\$0	Personnel	\$0	\$0	\$0	\$0	\$0	\$0
319	3390W	513000		Other Salaries and Wages	0	Personnel	0	0	0	0	0	0
320	3390W	514000		Overtime Pay	0	Personnel	0	0	0	0	0	0
321	3390W	515150		Auto and Travel Allowances	0	Inflation	0	0	0	0	0	0
322	3390W	515200		Sick Leave Buyback	34,000	Personnel	35,700	36,950	38,243	39,581	40,967	42,400
323	3390W	515250		Payouts - Civil Service	10,000	Personnel	10,500	10,868	11,248	11,642	12,049	12,471

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

Projected Water Operating Expenses

Line No.	Department Code	Object Codes	Sub Codes	Description	Adjusted [1] 2022	Escalation Reference [2]	Projected Fiscal Year Ending September 30.					
							2023	2024	2025	2026	2027	2028
324	3390W	515300		Payouts - Sick Leave	31,000	Personnel	32,550	33,689	34,868	36,089	37,352	38,659
325	3390W	515350		Payouts - Vacation Pay	20,000	Personnel	21,000	21,735	22,496	23,283	24,098	24,941
326	3390W	515400		Tool Allowance	0	Inflation	0	0	0	0	0	0
327	3390W	515500		Sick Accrual Expense	0	Personnel	0	0	0	0	0	0
328	3390W	515550		Vacation Accrual Expense	0	Personnel	0	0	0	0	0	0
329	3390W	521050		Social Security	0	Personnel	0	0	0	0	0	0
330	3390W	521100		Medicare	0	Personnel	0	0	0	0	0	0
331	3390W	522050		Pensions -	0	Personnel	0	0	0	0	0	0
332	3390W	522051		Professional GASB68	0	Personnel	0	0	0	0	0	0
333	3390W	522150		Pensions - General Employees	0	Personnel	0	0	0	0	0	0
334	3390W	522151		General GASB 68	0	Personnel	0	0	0	0	0	0
335	3390W	522200		Pensions - ICMA 401a	0	Personnel	0	0	0	0	0	0
336	3390W	522250		Pensions - OPEB	0	Personnel	0	0	0	0	0	0
337	3390W	522300		401a Match Program	0	Personnel	0	0	0	0	0	0
338	3390W	522350		Pensions - Retirement Health	0	Personnel	0	0	0	0	0	0
339	3390W	523050		Health Insurance	0	Ins-Health	0	0	0	0	0	0
340	3390W	523100		Dental Insurance	0	Ins-Health	0	0	0	0	0	0
341	3390W	523150		Life Insurance	0	Ins-Health	0	0	0	0	0	0
342	3390W	523200		Long-term Disability Insurance	0	Ins-Health	0	0	0	0	0	0
343	3390W	524000		Workers' Compensation	0	Worker Comp	0	0	0	0	0	0
344	3390W	525000		Unemployment Compensation Fee	0	Personnel	0	0	0	0	0	0
345				Total Personnel Costs	\$95,000		\$99,750	\$103,241	\$106,855	\$110,595	\$114,465	\$118,472
				Operating Services								
346	3390W	531010	P1602	Professional Services	\$76,250	ProfSvc	\$79,300	\$82,472	\$85,771	\$89,202	\$92,770	\$96,481
347	3390W	531010		Professional Services	0	ProfSvc	0	0	0	0	0	0
348	3390W	531010		Professional Services	0	ProfSvc	0	0	0	0	0	0
349	3390W	531010		Professional Services	0	ProfSvc	0	0	0	0	0	0
350	3390W	531010		Professional Services	0	ProfSvc	0	0	0	0	0	0
351	3390W	531010		Professional Services	0	ProfSvc	0	0	0	0	0	0
352	3390W	531010		Professional Services	0	ProfSvc	0	0	0	0	0	0
353	3390W	531010		Professional Services	0	ProfSvc	0	0	0	0	0	0
354	3390W	531030		Employee Physicals	0	Inflation	0	0	0	0	0	0
355	3390W	531040		Legal Services	0	Inflation	0	0	0	0	0	0
356	3390W	531050		Filing and Lien Recording Fees	0	Inflation	0	0	0	0	0	0
357	3390W	532000		Accounting and Auditing	23,242	Inflation	24,869	26,112	26,713	27,327	27,983	28,655
358	3390W	534010	P1715	Outside Services	95,500	ProfSvc	99,320	103,293	107,425	111,721	116,190	120,838
359	3390W	534010		Outside Services	0	ProfSvc	0	0	0	0	0	0
360	3390W	534010		Outside Services	0	ProfSvc	0	0	0	0	0	0
361	3390W	534010		Outside Services	0	ProfSvc	0	0	0	0	0	0
362	3390W	534010		Outside Services	0	ProfSvc	0	0	0	0	0	0
363	3390W	534040		Special Events	0	Inflation	0	0	0	0	0	0
364	3390W	539055		Credit Card Fees	0	Inflation	0	0	0	0	0	0
365	3390W	541010		Phone and Communications	0	Inflation	0	0	0	0	0	0
366	3390W	542000		Postage and Freight	19,786	Inflation	21,171	22,230	22,741	23,264	23,822	24,394
367	3390W	543010		Electricity	0	Utility	0	0	0	0	0	0
368	3390W	543020		Water and Sewer	55,620	Utility	58,957	62,495	66,244	70,219	74,432	78,898
369	3390W	544010		Uniforms	0	Inflation	0	0	0	0	0	0
370	3390W	544030		Equipment Rental	0	Inflation	0	0	0	0	0	0
371	3390W	544070		Lease - Bus / FEC Railroad	0	Inflation	0	0	0	0	0	0
372	3390W	545010		Property Insurance Premium	200,000	Ins-Property	210,000	220,500	231,525	243,101	255,256	268,019
373	3390W	546020		Communication Equipment	0	Inflation	0	0	0	0	0	0
374	3390W	546050		Computer Hardware Maintenance	0	Inflation	0	0	0	0	0	0
375	3390W	546060		Computer Software Maintenance	0	Inflation	0	0	0	0	0	0
376	3390W	546070		Equipment Maintenance Agreements	8,500	Repair	8,925	9,371	9,840	10,332	10,848	11,391
377	3390W	546080		Infrastructure Maintenance	0	Repair	0	0	0	0	0	0
378	3390W	546090		Office Equipment	0	Inflation	0	0	0	0	0	0
379	3390W	547000		Printing and Binding	0	Inflation	0	0	0	0	0	0
380	3390W	548010		Advertising	0	Inflation	0	0	0	0	0	0
381	3390W	549970		Contingencies	0	Eliminate	0	0	0	0	0	0
382	3390W	549980		Grant Match Expenditures	0	Inflation	0	0	0	0	0	0
383	3390W	549990		Working Reserves	0	Eliminate	0	0	0	0	0	0
384	3390W	551000		Office Supplies	0	Inflation	0	0	0	0	0	0
385	3390W	552010		Specialized Supplies	0	Inflation	0	0	0	0	0	0
386	3390W	552020		Meter Boxes	0	Inflation	0	0	0	0	0	0
387	3390W	552030		Equipment and Tools	0	Repair	0	0	0	0	0	0
388	3390W	552050		Medical Supplies	0	Inflation	0	0	0	0	0	0
389	3390W	552060		Chemicals	0	Chemical	0	0	0	0	0	0
390	3390W	552070		Small Furniture and Fixtures	0	Inflation	0	0	0	0	0	0
391	3390W	552080		Traffic Control / Signs	0	Inflation	0	0	0	0	0	0
392	3390W	552090		Horticultural / Beautification	0	Inflation	0	0	0	0	0	0
393	3390W	552140		Diesel Fuel	0	Fuel	0	0	0	0	0	0
394	3390W	552150		Motor Vehicle Fuel	0	Fuel	0	0	0	0	0	0
395	3390W	552160		Grease, Oil, and Lubricants	0	Inflation	0	0	0	0	0	0
396	3390W	552170		Computer Equipment and Supplies	0	Inflation	0	0	0	0	0	0
397	3390W	552180		Water Main Repair Parts	0	Repair	0	0	0	0	0	0
398	3390W	552200		Uniforms / Protective Clothing	0	Inflation	0	0	0	0	0	0
399	3390W	552210		Building Materials / Supplies	27,000	Inflation	28,890	30,335	31,032	31,746	32,508	33,288
400	3390W	552210		Building Materials / Supplies	0	Inflation	0	0	0	0	0	0
401	3390W	552230		CM Project / Program Supplies	0	Inflation	0	0	0	0	0	0
402	3390W	552250		Machinery Parts	19,000	Repair	19,950	20,948	21,995	23,095	24,249	25,462
403	3390W	552260		Water Meter / Hydrant Parts	0	Repair	0	0	0	0	0	0
404	3390W	552270		Hurricane Preparedness	0	Inflation	0	0	0	0	0	0
405	3390W	552280		Purchased Water	0	Inflation	0	0	0	0	0	0
406	3390W	552290		Cement	0	Inflation	0	0	0	0	0	0
407	3390W	552300		Drafting Supplies	0	Inflation	0	0	0	0	0	0
408	3390W	553010		Rock and Fill	0	Inflation	0	0	0	0	0	0
409	3390W	553020		Asphalt Paving Road Materials	0	Inflation	0	0	0	0	0	0
410	3390W	554010		Books and Publications	0	Inflation	0	0	0	0	0	0
411	3390W	554030		Dues and Memberships	0	Inflation	0	0	0	0	0	0
412	3390W	554040		Internet Subscriptions	14,098	Inflation	15,085	15,839	16,203	16,576	16,974	17,381
413	3390W	554040		Internet Subscriptions	0	Inflation	0	0	0	0	0	0
414	3390W	555010		Computer Training	0	Inflation	0	0	0	0	0	0
415	3390W	555020		Meetings and Seminars	0	Inflation	0	0	0	0	0	0
416	3390W	555030		Tuition Reimbursement	0	Inflation	0	0	0	0	0	0
417	3390W	555040		General Employee Training	0	Inflation	0	0	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	Sub Codes	Description	Adjusted [1] 2022	Escalation Reference [2]	Projected Fiscal Year Ending September 30.					
							2023	2024	2025	2026	2027	2028
418	3390W	555060		License and Certification	0	Inflation	0	0	0	0	0	0
419	3390W	559010		Depreciation Expense	0	Eliminate	0	0	0	0	0	0
420	3390W	564040		Machinery and Equipment	0	Eliminate	0	0	0	0	0	0
421	3390W	564040		Machinery and Equipment	0	Eliminate	0	0	0	0	0	0
422	3390W	564070		Computer Equipment and Supplies	0	Eliminate	0	0	0	0	0	0
423	3390W	564070		Computer Equipment and Supplies	0	Eliminate	0	0	0	0	0	0
424	3390W	564070		Computer Equipment and Supplies	0	Eliminate	0	0	0	0	0	0
425	3390W	564070		Computer Equipment and Supplies	0	Eliminate	0	0	0	0	0	0
426	3390W	564070		Computer Equipment and Supplies	0	Eliminate	0	0	0	0	0	0
427	3390W	564070		Computer Equipment and Supplies	0	Eliminate	0	0	0	0	0	0
428	3390W	564070		Computer Equipment and Supplies	0	Eliminate	0	0	0	0	0	0
423	3390W	565000	P1715	Construction in Progress	0	Eliminate	0	0	0	0	0	0
429	3390W	565000	P2104	Construction in Progress	0	Eliminate	0	0	0	0	0	0
430	3390W	565000	P2004	Construction in Progress	0	Eliminate	0	0	0	0	0	0
431	3390W	565000	P2202	Construction in Progress	0	Eliminate	0	0	0	0	0	0
432	3390W	565000	P2007	Construction in Progress	0	Eliminate	0	0	0	0	0	0
433	3390W	565000	P2005	Construction in Progress	0	Eliminate	0	0	0	0	0	0
434	3390W	565000	P2201	Construction in Progress	0	Eliminate	0	0	0	0	0	0
435	3390W	565010	P2206	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
436				Total Operating Services	\$538,996		\$566,467	\$593,594	\$619,489	\$646,583	\$675,033	\$704,806
437				Total Non-Departmental	\$633,996		\$666,217	\$696,835	\$726,344	\$757,178	\$789,499	\$823,278
	3395W			Renewal & Replacement								
				<u>Personnel Costs</u>								
438	3395W	512000		Regular Salaries and Wages	\$0	Personnel	\$0	\$0	\$0	\$0	\$0	\$0
439	3395W	513000		Other Salaries and Wages	0	Personnel	0	0	0	0	0	0
440	3395W	514000		Overtime Pay	0	Personnel	0	0	0	0	0	0
441	3395W	515150		Auto and Travel Allowances	0	Inflation	0	0	0	0	0	0
442	3395W	515200		Sick Leave Buyback	0	Personnel	0	0	0	0	0	0
443	3395W	515250		Payouts - Civil Service	0	Personnel	0	0	0	0	0	0
444	3395W	515300		Payouts - Sick Leave	0	Personnel	0	0	0	0	0	0
445	3395W	515350		Payouts - Vacation Pay	0	Personnel	0	0	0	0	0	0
446	3395W	515400		Tool Allowance	0	Inflation	0	0	0	0	0	0
447	3395W	515500		Sick Accrual Expense	0	Personnel	0	0	0	0	0	0
448	3395W	515550		Vacation Accrual Expense	0	Personnel	0	0	0	0	0	0
449	3395W	521050		Social Security	0	Personnel	0	0	0	0	0	0
450	3395W	521100		Medicare	0	Personnel	0	0	0	0	0	0
451	3395W	522150		Pensions - General Employees	0	Personnel	0	0	0	0	0	0
452	3395W	522200		Pensions - ICMA 401a	0	Personnel	0	0	0	0	0	0
453	3395W	522250		Pensions - OPEB	0	Personnel	0	0	0	0	0	0
454	3395W	522300		401a Match Program	0	Personnel	0	0	0	0	0	0
455	3395W	522350		Pensions - Retirement Health	0	Personnel	0	0	0	0	0	0
456	3395W	523050		Health Insurance	0	Ins-Health	0	0	0	0	0	0
457	3395W	523100		Dental Insurance	0	Ins-Health	0	0	0	0	0	0
458	3395W	523150		Life Insurance	0	Ins-Health	0	0	0	0	0	0
459	3395W	523200		Long-term Disability Insurance	0	Ins-Health	0	0	0	0	0	0
460	3395W	524000		Workers' Compensation	0	Worker Comp	0	0	0	0	0	0
461	3395W	525000		Unemployment Compensation Fee	0	Personnel	0	0	0	0	0	0
462				Total Personnel Costs	\$0		\$0	\$0	\$0	\$0	\$0	\$0
				<u>Operating Services</u>								
463	3395W	531010		Professional Services	\$0	Inflation	\$0	\$0	\$0	\$0	\$0	\$0
464	3395W	534010		Outside Services	0	Inflation	0	0	0	0	0	0
465	3395W	534010		Outside Services	0	Inflation	0	0	0	0	0	0
466	3395W	534010		Outside Services	0	Inflation	0	0	0	0	0	0
467	3395W	546080		Infrastructure Maintenance	0	Repair	0	0	0	0	0	0
468	3395W	552260		Water Meter / Hydrant Parts	0	Repair	0	0	0	0	0	0
469	3395W	559010		Depreciation Expense	0	Eliminate	0	0	0	0	0	0
470	3395W	564040		Machinery and Equipment	0	Eliminate	0	0	0	0	0	0
471	3395W	565000	P2119	Construction in Progress	0	Eliminate	0	0	0	0	0	0
472	3395W	565000	P2124	Construction in Progress	0	Eliminate	0	0	0	0	0	0
473	3395W	565000	P2127	Construction in Progress	0	Eliminate	0	0	0	0	0	0
474	3395W	565000		Construction in Progress	0	Eliminate	0	0	0	0	0	0
475	3395W	565000		Construction in Progress	0	Eliminate	0	0	0	0	0	0
476	3395W	565000	P2210	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
477	3395W	565000	P2118	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
478	3395W	565000	P2123	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
479	3395W	565000	P2105	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
480	3395W	565000	P2125	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
481	3395W	565000	P2211	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
482	3395W	565000	P2209	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
483	3395W	565000	P2212	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
484	3395W	565000	P2128	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
485	3395W	565000	P2119	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
486	3395W	565000	P2127	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
487	3395W	565000	P2208	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
488	3395W	565000	P2213	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
489				Total Operating Services	\$0		\$0	\$0	\$0	\$0	\$0	\$0
490				Total Renewal & Replacement	\$0		\$0	\$0	\$0	\$0	\$0	\$0
	3396W			Equipment Replacement								
				<u>Operating Services</u>								
491	3396W	549531		Replacement Vehicles	\$158,185	Repair	\$166,094	\$174,399	\$183,119	\$192,275	\$201,889	\$211,983
491	3396W	549532		Operation & Maintenance	127,653	Repair	134,036	140,737	147,774	155,163	162,921	171,067
491	3396W			Admin Charges to Fleet Services	0	Repair	0	0	0	0	0	0
492				Total Operating Services	\$285,838		\$300,130	\$315,136	\$330,893	\$347,438	\$364,810	\$383,050
493				Total Equipment Replacement	\$285,838		\$300,130	\$315,136	\$330,893	\$347,438	\$364,810	\$383,050
494				Subtotal Water System	\$10,020,197		\$10,564,363	\$11,076,714	\$11,575,373	\$12,097,679	\$12,662,202	\$13,249,675

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

Projected Water Operating Expenses

Line No.	Department Code	Object Codes	Sub Codes	Description	Adjusted [1] 2022	Escalation Reference [2]	Projected Fiscal Year Ending September 30.					
							2023	2024	2025	2026	2027	2028
	8910W			Charges to Other Fund								
495	8910W	549001		Administrative Charge to the General Fund	\$1,231,837	Personnel	\$1,293,429	\$1,338,699	\$1,385,553	\$1,434,048	\$1,484,239	\$1,536,188
496	8910W	549160		Administrative Charge to the Transportation	12,387	Constant	12,387	12,387	12,387	12,387	12,387	12,387
497	8910W	549410		Administrative Charge to the Sanitation	13,824	Constant	13,824	13,824	13,824	13,824	13,824	13,824
498	8910W	549440		Administrative Charge to the Stormwater	10,052	Constant	10,052	10,052	10,052	10,052	10,052	10,052
499				Total Charges to Other Funds	\$1,268,100		\$1,329,692	\$1,374,962	\$1,421,816	\$1,470,311	\$1,520,502	\$1,572,451
	9008W			Transfers to Other Funds								
500	9008W	549110		10% Operating Reserve	\$0	Eliminate	\$0	\$0	\$0	\$0	\$0	\$0
501	9008W	549103		Transfer to Renewal and Replacement Fund	0	Eliminate	0	0	0	0	0	0
502	9008W	549801		Transfer to General Fund	0	Eliminate	0	0	0	0	0	0
503	9008W	549860		Transfer to Transportation	0	Eliminate	0	0	0	0	0	0
504	9008W	549880		Transfer to Capital Projects	0	Eliminate	0	0	0	0	0	0
505	9008W	549890		Transfer to General Liability	255,994	Ins-Property	268,794	282,233	296,345	311,162	326,720	343,056
506	9008W	549891		Transfer to Impact Fee	0	Eliminate	0	0	0	0	0	0
507				Total Transfers to Other Funds	\$255,994		\$268,794	\$282,233	\$296,345	\$311,162	\$326,720	\$343,056
	2023EW			Developer Agreement - Village of Gulfstream								
508	2023EW	565000		Construction in Progress	\$0	Eliminate	\$0	\$0	\$0	\$0	\$0	\$0
509				Total Developer Agreement - Village of Gulfstream	\$0		\$0	\$0	\$0	\$0	\$0	\$0
	2026GW			Developer Agreement - Wal-Mart								
510	2026GW	531000		Professional Services	\$0	Eliminate	\$0	\$0	\$0	\$0	\$0	\$0
511				Total Developer Agreement - Wal-Mart	\$0		\$0	\$0	\$0	\$0	\$0	\$0
	599000			Other								
512				Capital Reclassified as Operating Expense	\$0	Calculated	\$0	\$0	\$0	\$0	\$0	\$0
513				Contingency (4.00% of O&M) [3]	0	Calculated	488,093	511,273	533,856	557,430	582,787	609,121
514				Bad Debt (0.25% of Rate Revenues) [4]	27,836	Calculated	39,466	47,927	52,867	56,591	60,241	62,845
515				Additional Personnel Expenses	0	Calculated	0	0	0	0	0	0
516				Total Other Expenses	\$27,836		\$27,836	\$59,200	\$58,723	\$61,401	\$64,027	\$67,966
517				Total Water System	\$11,572,127		\$12,690,408	\$13,293,109	\$13,880,258	\$14,493,173	\$15,152,452	\$15,837,149
518				Annual Percent Change	N/A		9.66%	4.75%	4.42%	4.42%	4.55%	4.52%

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] Adjustment amount shown to account for additional costs budgeted in Fiscal Year 2023 that were provided after the initial expenditure projection was developed.
[4] 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] 2022	Escalation Reference [2]	Projected Fiscal Year Ending September 30,					
						2023	2024	2025	2026	2027	2028
	3510S		Sewer Collection Administration								
			<u>Personnel Costs</u>								
1	3510S	512000	Regular Salaries and Wages	\$772,597	Personnel	\$811,227	\$839,620	\$869,006	\$899,422	\$930,901	\$963,483
2	3510S	514000	Overtime Pay	80,000	Personnel	84,000	86,940	89,983	93,132	96,392	99,766
3	3510S	515150	Auto and Travel Allowances	240	Inflation	257	270	276	282	289	296
3	3510S	515155	Phone Allowance	1,974	Personnel	2,073	2,145	2,220	2,298	2,378	2,462
4	3510S	515250	Payouts - Civil Service	0	Personnel	0	0	0	0	0	0
5	3510S	515300	Payouts - Sick Leave	0	Personnel	0	0	0	0	0	0
6	3510S	515350	Payouts - Vacation Pay	0	Personnel	0	0	0	0	0	0
7	3510S	521050	Social Security	47,938	Personnel	50,335	52,097	53,920	55,807	57,760	59,782
8	3510S	521100	Medicare	11,235	Personnel	11,797	12,210	12,637	13,079	13,537	14,011
9	3510S	522150	Pensions - General Employees	61,089	Personnel	64,143	66,388	68,712	71,117	73,606	76,182
9	3510S	522201	Pensions - FRS	65,838	Personnel	69,130	71,549	74,054	76,646	79,328	82,105
10	3510S	522200	Pensions - ICMA 401a	0	Personnel	0	0	0	0	0	0
11	3510S	522250	Pensions - OPEB	0	Personnel	0	0	0	0	0	0
12	3510S	522300	401a Match Program	7,666	Personnel	8,049	8,331	8,623	8,924	9,237	9,560
13	3510S	522350	Pensions - Retirement Health	0	Personnel	0	0	0	0	0	0
14	3510S	523050	Health Insurance	221,052	Ins-Health	243,157	267,473	294,220	323,642	356,006	391,607
15	3510S	523100	Dental Insurance	9,097	Ins-Health	10,007	11,007	12,108	13,319	14,651	16,116
16	3510S	523150	Life Insurance	1,069	Ins-Health	1,176	1,293	1,423	1,565	1,722	1,894
17	3510S	523200	Long-term Disability Insurance	858	Ins-Health	944	1,038	1,142	1,256	1,382	1,520
18	3510S	524000	Workers' Compensation	28,957	Worker Comp	30,405	31,925	33,521	35,197	36,957	38,805
19			Total Personnel Costs	\$1,309,610		\$1,386,699	\$1,452,287	\$1,521,845	\$1,595,688	\$1,674,147	\$1,757,588
			<u>Operating Services</u>								
20	3510S	531010	Professional Services	\$6,500	ProfSvc	\$6,760	\$7,030	\$7,312	\$7,604	\$7,908	\$8,225
21	3510S	534010	Outside Services	40,560	ProfSvc	42,182	43,870	45,624	47,449	49,347	51,321
22	3510S	534040	Special Events	0	Inflation	0	0	0	0	0	0
23	3510S	541010	Phone and Communications	0	Inflation	0	0	0	0	0	0
24	3510S	543010	Electricity	115,000	Utility-S	123,303	133,582	141,982	150,559	161,333	171,832
25	3510S	543020	Water and Sewer	3,629	Utility-S	3,891	4,215	4,480	4,751	5,091	5,422
26	3510S	544010	Uniforms	3,174	Inflation	3,396	3,566	3,648	3,732	3,821	3,913
27	3510S	544030	Equipment Rental	35,000	Inflation	37,450	39,323	40,227	41,152	42,140	43,151
28	3510S	546070	Maintenance Agreements	70,000	Repair	73,500	77,175	81,034	85,085	89,340	93,807
28	3510S	546080	Infrastructure Maintenance	87,250	Repair	91,613	96,193	101,003	106,053	111,356	116,923
29	3510S	546090	Office Equipment	0	Inflation	0	0	0	0	0	0
30	3510S	551000	Office Supplies	0	Inflation	0	0	0	0	0	0
31	3510S	552030	Equipment and Tools	30,000	Repair	31,500	33,075	34,729	36,465	38,288	40,203
32	3510S	552050	Medical Supplies	0	Inflation	0	0	0	0	0	0
33	3510S	552080	Traffic Control / Signs	2,500	Inflation	2,675	2,809	2,873	2,939	3,010	3,082
34	3510S	552140	Diesel Fuel	0	Fuel	0	0	0	0	0	0
35	3510S	552150	Motor Vehicle Fuel	0	Fuel	0	0	0	0	0	0
36	3510S	552170	Computer Equipment and Supplies	0	Inflation	0	0	0	0	0	0
37	3510S	552200	Uniforms / Protective Clothing	0	Inflation	0	0	0	0	0	0
38	3510S	552210	Building Materials / Supplies	0	Inflation	0	0	0	0	0	0
39	3510S	552300	Drafting Supplies	0	Inflation	0	0	0	0	0	0
40	3510S	552250	Machinery Parts	0	Repair	0	0	0	0	0	0
41	3510S	552250	Machinery Parts	0	Repair	0	0	0	0	0	0
42	3510S	553010	Rock and Fill	0	Inflation	0	0	0	0	0	0
43	3510S	553020	Asphalt Paving Road Materials	0	Inflation	0	0	0	0	0	0
44	3510S	554010	Books and Publications	0	Inflation	0	0	0	0	0	0
45	3510S	554030	Dues and Memberships	0	Inflation	0	0	0	0	0	0
46	3510S	555020	Meetings and Seminars	0	Inflation	0	0	0	0	0	0
47	3510S	555040	General Employee Training	0	Inflation	0	0	0	0	0	0
48	3510S	555060	License and Certification	0	Inflation	0	0	0	0	0	0
49	3510S	564040	Machinery and Equipment	0	Eliminate	0	0	0	0	0	0
50	3510S	565000	Construction in Progress	0	Eliminate	0	0	0	0	0	0
51	3510S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
52			Total Operating Services	\$393,613		\$416,270	\$440,838	\$462,912	\$485,791	\$511,634	\$537,880
53			Total Sewer Collection Administration	\$1,703,223		\$1,802,969	\$1,893,125	\$1,984,757	\$2,081,478	\$2,185,782	\$2,295,468
	3580S		Debt Service								
54	3580S	544020	Principal Series	\$0	Eliminate	\$0	\$0	\$0	\$0	\$0	\$0
55	3580S	571220	Principal - 2012 Chase Note	0	Eliminate	0	0	0	0	0	0
56	3580S	571225	Principal - Bond Series 2014	0	Eliminate	0	0	0	0	0	0
57	3580S	572200	Interest Series	0	Eliminate	0	0	0	0	0	0
58	3580S	572220	Interest - 2012 Chase Note	0	Eliminate	0	0	0	0	0	0
59	3580S	572225	Interest - Bond Series 2014	0	Eliminate	0	0	0	0	0	0
60	3580S	573160	Other Debt Service Costs - 2005A Bonds	0	Eliminate	0	0	0	0	0	0
61			Total Debt Service	\$0		\$0	\$0	\$0	\$0	\$0	\$0
	3590S		Non-Departmental								
			<u>Personnel Costs</u>								
62	3590S	512000	Regular Salaries and Wages	\$0	Personnel	\$0	\$0	\$0	\$0	\$0	\$0
63	3590S	513050	Other Salaries and Wages	0	Personnel	0	0	0	0	0	0
64	3590S	514000	Overtime Pay	0	Personnel	0	0	0	0	0	0
65	3590S	515150	Auto and Travel Allowances	0	Personnel	0	0	0	0	0	0
66	3590S	515200	Sick Leave Buyback	0	Personnel	0	0	0	0	0	0
67	3590S	515250	Payouts - Civil Service	0	Personnel	0	0	0	0	0	0
68	3590S	515300	Payouts - Sick Leave	0	Personnel	0	0	0	0	0	0
69	3590S	515350	Payouts - Vacation Pay	0	Personnel	0	0	0	0	0	0
70	3590S	515400	Tool Allowance	0	Personnel	0	0	0	0	0	0
71	3590S	515500	Sick Accrual Expense	0	Personnel	0	0	0	0	0	0
72	3590S	515550	Vacation Accrual Expense	0	Personnel	0	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]	Escalation	Projected Fiscal Year Ending September 30,					
				2022	Reference [2]	2023	2024	2025	2026	2027	2028
73	3590S	521050	Social Security	0	Personnel	0	0	0	0	0	0
74	3590S	521100	Medicare	0	Personnel	0	0	0	0	0	0
75	3590S	522150	Pensions - General Employees	0	Personnel	0	0	0	0	0	0
76	3590S	522151	General GASB 68	0	Personnel	0	0	0	0	0	0
77	3590S	522200	Pensions - ICMA 401a	0	Personnel	0	0	0	0	0	0
78	3590S	522250	Pensions - OPEB	0	Personnel	0	0	0	0	0	0
79	3590S	522300	401a Match Program	0	Personnel	0	0	0	0	0	0
80	3590S	522350	Pensions - Retirement Health	0	Personnel	0	0	0	0	0	0
81	3590S	523050	Health Insurance	0	Ins-Health	0	0	0	0	0	0
82	3590S	523100	Dental Insurance	0	Ins-Health	0	0	0	0	0	0
83	3590S	523150	Life Insurance	0	Ins-Health	0	0	0	0	0	0
84	3590S	523200	Long-term Disability Insurance	0	Ins-Health	0	0	0	0	0	0
85	3590S	524000	Workers' Compensation	0	Worker Comp	0	0	0	0	0	0
86	3590S	525000	Unemployment Compensation Fee	0	Personnel	0	0	0	0	0	0
87			Total Personnel Costs	\$0		\$0	\$0	\$0	\$0	\$0	\$0
			<u>Operating Services</u>								
88	3590S	531010	Professional Services	\$0	Inflation	\$0	\$0	\$0	\$0	\$0	\$0
89	3590S	531030	Employee Physicals	0	Inflation	0	0	0	0	0	0
90	3590S	531040	Legal Services	0	Inflation	0	0	0	0	0	0
91	3590S	531050	Filing and Lien Recording Fees	0	Inflation	0	0	0	0	0	0
92	3590S	532000	Accounting and Auditing	0	Inflation	0	0	0	0	0	0
93	3590S	534010	Outside Services	0	Inflation	0	0	0	0	0	0
94	3590S	534010	Outside Services	0	Inflation	0	0	0	0	0	0
95	3590S	534010	Outside Services	0	Inflation	0	0	0	0	0	0
96	3590S	534040	Special Events	0	Inflation	0	0	0	0	0	0
97	3590S	539055	Credit Card Fees	0	Inflation	0	0	0	0	0	0
98	3590S	541010	Phone and Communications	0	Inflation	0	0	0	0	0	0
99	3590S	542000	Postage and Freight	0	Inflation	0	0	0	0	0	0
100	3590S	543010	Electricity	0	Inflation	0	0	0	0	0	0
101	3590S	543020	Water and Sewer	0	Inflation	0	0	0	0	0	0
102	3590S	543050	Wastewater Treatment [3]	9,675,326	Calculated	10,275,995	11,027,629	11,610,499	12,195,758	12,945,150	13,657,544
103	3590S	544010	Uniforms	0	Inflation	0	0	0	0	0	0
104	3590S	544030	Equipment Rental	0	Inflation	0	0	0	0	0	0
105	3590S	544070	Lease - Bus / FEC Railroad	0	Inflation	0	0	0	0	0	0
106	3590S	545010	Property Insurance Premium	0	Ins-Property	0	0	0	0	0	0
107	3590S	546020	Communication Equipment	0	Inflation	0	0	0	0	0	0
108	3590S	546050	Computer Hardware Maintenance	0	Inflation	0	0	0	0	0	0
109	3590S	546060	Computer Software Maintenance	0	Inflation	0	0	0	0	0	0
110	3590S	546070	Equipment Maintenance Agreements	0	Repair	0	0	0	0	0	0
111	3590S	546080	Infrastructure Maintenance	0	Repair	0	0	0	0	0	0
112	3590S	546090	Office Equipment	0	Inflation	0	0	0	0	0	0
113	3590S	547000	Printing and Binding	0	Inflation	0	0	0	0	0	0
114	3590S	548010	Advertising	0	Inflation	0	0	0	0	0	0
115	3590S	549970	Contingencies	0	Eliminate	0	0	0	0	0	0
116	3590S	549980	Grant Match Expenditures	0	Inflation	0	0	0	0	0	0
117	3590S	549990	Working Reserves	0	Eliminate	0	0	0	0	0	0
118	3590S	551000	Office Supplies	0	Inflation	0	0	0	0	0	0
119	3590S	552010	Specialized Supplies	0	Inflation	0	0	0	0	0	0
120	3590S	552020	Meter Boxes	0	Repair	0	0	0	0	0	0
121	3590S	552030	Equipment and Tools	0	Repair	0	0	0	0	0	0
122	3590S	552050	Medical Supplies	0	Inflation	0	0	0	0	0	0
123	3590S	552060	Chemicals	0	Chem-S	0	0	0	0	0	0
124	3590S	552070	Small Furniture and Fixtures	0	Inflation	0	0	0	0	0	0
125	3590S	552080	Traffic Control / Signs	0	Inflation	0	0	0	0	0	0
126	3590S	552090	Horticultural / Beautification	0	Inflation	0	0	0	0	0	0
127	3590S	552140	Diesel Fuel	0	Fuel	0	0	0	0	0	0
128	3590S	552150	Motor Vehicle Fuel	0	Fuel	0	0	0	0	0	0
129	3590S	552160	Grease, Oil, and Lubricants	0	Inflation	0	0	0	0	0	0
130	3590S	552170	Computer Equipment and Supplies	0	Inflation	0	0	0	0	0	0
131	3590S	552180	Water Main Repair Parts	0	Repair	0	0	0	0	0	0
132	3590S	552200	Uniforms / Protective Clothing	0	Inflation	0	0	0	0	0	0
133	3590S	552210	Building Materials / Supplies	0	Inflation	0	0	0	0	0	0
134	3590S	552230	CM Project / Program Supplies	0	Inflation	0	0	0	0	0	0
135	3590S	552250	Machinery Parts	0	Repair	0	0	0	0	0	0
136	3590S	552270	Hurricane Preparedness	0	Inflation	0	0	0	0	0	0
137	3590S	552290	Cement	0	Inflation	0	0	0	0	0	0
138	3590S	552300	Drafting Supplies	0	Inflation	0	0	0	0	0	0
139	3590S	553010	Rock and Fill	0	Inflation	0	0	0	0	0	0
140	3590S	553020	Asphalt Paving Road Materials	0	Inflation	0	0	0	0	0	0
141	3590S	554010	Books and Publications	0	Inflation	0	0	0	0	0	0
142	3590S	554030	Dues and Memberships	0	Inflation	0	0	0	0	0	0
143	3590S	554040	Internet Subscriptions	0	Inflation	0	0	0	0	0	0
144	3590S	555010	Computer Training	0	Inflation	0	0	0	0	0	0
145	3590S	555020	Meetings and Seminars	0	Inflation	0	0	0	0	0	0
146	3590S	555030	Tuition Reimbursement	0	Inflation	0	0	0	0	0	0
147	3590S	555040	General Employee Training	0	Inflation	0	0	0	0	0	0
148	3590S	555060	License and Certification	0	Inflation	0	0	0	0	0	0
149	3590S	559010	Depreciation Expense	0	Eliminate	0	0	0	0	0	0
150	3590S	564040	Machinery and Equipment	0	Eliminate	0	0	0	0	0	0
151	3590S	564070	Computer Equipment and Supplies	0	Eliminate	0	0	0	0	0	0
152	3590S	565000	Construction in Progress	0	Eliminate	0	0	0	0	0	0
153	3590S	565000	Construction in Progress	0	Eliminate	0	0	0	0	0	0
154	3590S	565000	Construction in Progress	0	Eliminate	0	0	0	0	0	0
155	3590S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
156			Total Operating Services	\$9,675,326		\$10,275,995	\$11,027,629	\$11,610,499	\$12,195,758	\$12,945,150	\$13,657,544

Projected Wastewater Operating Expenses

Line No.	Department Code	Object Codes	Description	Adjusted [1] 2022	Escalation Reference [2]	Projected Fiscal Year Ending September 30,					
						2023	2024	2025	2026	2027	2028
157			Total Non-Departmental	\$9,675,326		\$10,275,995	\$11,027,629	\$11,610,499	\$12,195,758	\$12,945,150	\$13,657,544
	3595S		Renewal & Replacement								
			<u>Personnel Costs</u>								
158	3595S	512000	Regular Salaries and Wages	\$0	Personnel	\$0	\$0	\$0	\$0	\$0	\$0
159	3595S	513050	Other Salaries and Wages	0	Personnel	0	0	0	0	0	0
160	3595S	514000	Overtime Pay	0	Personnel	0	0	0	0	0	0
161	3595S	515150	Auto and Travel Allowances	0	Personnel	0	0	0	0	0	0
162	3595S	515200	Sick Leave Buyback	0	Personnel	0	0	0	0	0	0
163	3595S	515250	Payouts - Civil Service	0	Personnel	0	0	0	0	0	0
164	3595S	515300	Payouts - Sick Leave	0	Personnel	0	0	0	0	0	0
165	3595S	515350	Payouts - Vacation Pay	0	Personnel	0	0	0	0	0	0
166	3595S	515400	Tool Allowance	0	Personnel	0	0	0	0	0	0
167	3595S	515500	Sick Accrual Expense	0	Personnel	0	0	0	0	0	0
168	3595S	515550	Vacation Accrual Expense	0	Personnel	0	0	0	0	0	0
169	3595S	521050	Social Security	0	Personnel	0	0	0	0	0	0
170	3595S	521100	Medicare	0	Personnel	0	0	0	0	0	0
171	3595S	522150	Pensions - General Employees	0	Personnel	0	0	0	0	0	0
172	3595S	522200	Pensions - ICMA 401a	0	Personnel	0	0	0	0	0	0
173	3595S	522250	Pensions - OPEB	0	Personnel	0	0	0	0	0	0
174	3595S	522300	401a Match Program	0	Personnel	0	0	0	0	0	0
175	3595S	522350	Pensions - Retirement Health	0	Personnel	0	0	0	0	0	0
176	3595S	523050	Health Insurance	0	Ins-Health	0	0	0	0	0	0
177	3595S	523100	Dental Insurance	0	Ins-Health	0	0	0	0	0	0
178	3595S	523150	Life Insurance	0	Ins-Health	0	0	0	0	0	0
179	3595S	523200	Long-term Disability Insurance	0	Ins-Health	0	0	0	0	0	0
180	3595S	524000	Workers' Compensation	0	Worker Comp	0	0	0	0	0	0
181	3595S	525000	Unemployment Compensation Fee	0	Personnel	0	0	0	0	0	0
182			Total Personnel Costs	\$0		\$0	\$0	\$0	\$0	\$0	\$0
			<u>Operating Services</u>								
183	3595S	531010	Professional Services	\$82,210	ProfSvc	\$85,498	\$88,918	\$92,475	\$96,174	\$100,021	\$104,022
184	3595S	534010	Outside Services	49,224	ProfSvc	51,193	53,241	55,370	57,585	59,889	62,284
185	3595S	552170	Computer Equipment and Supplies	0	Repair	0	0	0	0	0	0
186	3595S	563070	Sewer Lines	0	Eliminate	0	0	0	0	0	0
187	3595S	564040	Machinery and Equipment	0	Eliminate	0	0	0	0	0	0
188	3595S	565000	Construction in Progress	0	Eliminate	0	0	0	0	0	0
189	3595S	565000	Construction in Progress	0	Eliminate	0	0	0	0	0	0
190	3595S	565000	Construction in Progress	0	Eliminate	0	0	0	0	0	0
191	3595S	565000	Improvements & Extensions	0	Eliminate	0	0	0	0	0	0
192	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
193	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
194	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
195	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
196	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
197	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
198	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
199	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
200	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
201	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
202	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
203	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
204	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
205	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
206	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
207	3595S	565010	Pre-Construction (Design)	0	Eliminate	0	0	0	0	0	0
208			Total Operating Services	\$131,434		\$136,691	\$142,159	\$147,845	\$153,759	\$159,910	\$166,306
209			Total Renewal & Replacement	\$131,434		\$136,691	\$142,159	\$147,845	\$153,759	\$159,910	\$166,306
	3596S		Equipment Replacement								
			<u>Operating Services</u>								
210	3596S	549530	Admin Charges to Fleet Services	\$0	Repair	\$0	\$0	\$0	\$0	\$0	\$0
211	3596S	549531	Replacement Vehicles	197,507	Repair	207,382	217,751	228,639	240,071	252,075	264,678
212	3596S	549532	Operation & Maintenance	118,529	Repair	124,455	130,678	137,212	144,073	151,276	158,840
213			Total Operating Services	\$316,036		\$331,838	\$348,430	\$365,851	\$384,144	\$403,351	\$423,518
214			Total Equipment Replacement	\$316,036		\$331,838	\$348,430	\$365,851	\$384,144	\$403,351	\$423,518
215			Subtotal Sewer System	\$11,826,019		\$12,547,493	\$13,411,342	\$14,108,953	\$14,815,139	\$15,694,192	\$16,542,837
	4838S		SRF Loan WW0061720								
			<u>Operating Services</u>								
216	4838S	531010	Professional Services	\$0	Inflation	\$0	\$0	\$0	\$0	\$0	\$0
217	4838S	565000	Construction in Progress	0	Inflation	0	0	0	0	0	0
218	4838S	565010	Pre-Construction (Design)	0	Inflation	0	0	0	0	0	0
219	4838S	572200	Interest Series	0	Inflation	0	0	0	0	0	0
220			Total Operating Services	\$0		\$0	\$0	\$0	\$0	\$0	\$0
221			Total SRF Loan WW0061720	\$0		\$0	\$0	\$0	\$0	\$0	\$0
	8912S		Charges to Other Fund								
222	8912S	549001	Administrative Transfer to the General Fund	\$692,909	Personnel	\$727,554	\$753,019	\$779,375	\$806,653	\$834,885	\$864,106

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

Projected Wastewater Operating Expenses

Line No.	Department Code	Object Codes	Description	Adjusted [1] 2022	Escalation Reference [2]	Projected Fiscal Year Ending September 30,					
						2023	2024	2025	2026	2027	2028
223	8912S	549160	Administrative Transfer to the Transportation	874	Constant	874	874	874	874	874	874
224	8912S	549410	Administrative Transfer to the Sanitation	61,860	Constant	61,860	61,860	61,860	61,860	61,860	61,860
225	8912S	549440	Administrative Transfer to the Stormwater	11,489	Constant	11,489	11,489	11,489	11,489	11,489	11,489
226			Total Charges to Other Funds	<u>\$767,132</u>		<u>\$801,777</u>	<u>\$827,242</u>	<u>\$853,598</u>	<u>\$880,876</u>	<u>\$909,108</u>	<u>\$938,329</u>
	9010S		Transfers to Other Funds								
227	9010S	549110	10% Operating Reserve	\$0	Constant	\$0	\$0	\$0	\$0	\$0	\$0
228	9010S	549103	Transfer to Renewal and Replacement Fund	0	Eliminate	0	0	0	0	0	0
229	9010S	549801	Transfer to General Fund	0	Eliminate	0	0	0	0	0	0
230	9010S	549860	Transfer to Transportation	0	Eliminate	0	0	0	0	0	0
231	9010S	549880	Transfer to Capital Projects	0	Eliminate	0	0	0	0	0	0
232	9010S	549890	Transfer to General Liability	0	Ins-Property	0	0	0	0	0	0
233	9010S	549891	Transfer to Impact Fee	0	Eliminate	0	0	0	0	0	0
234			Total Transfers to Other Funds	<u>\$0</u>		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
			Other								
235		599000	Capital Reclassified as Operating Expense	\$0	Calculated	\$0	\$0	\$0	\$0	\$0	\$0
236			Contingency (4.00% of O&M) [4]	0	Calculated	535,532	571,244	600,297	629,731	666,145	701,347
237			Bad Debt (0.25% of Rate Revenues) [5]	36,598	Calculated	39,026	42,511	44,876	47,252	50,328	52,509
238			Additional Personnel Expenses	0	Calculated	0	0	0	0	0	0
239			Total Other Expenses	<u>\$36,598</u>		<u>\$574,558</u>	<u>\$613,755</u>	<u>\$645,173</u>	<u>\$676,983</u>	<u>\$716,473</u>	<u>\$753,856</u>
240			Total Sewer System	<u><u>\$12,629,748</u></u>		<u><u>\$13,923,829</u></u>	<u><u>\$14,852,339</u></u>	<u><u>\$15,607,724</u></u>	<u><u>\$16,372,998</u></u>	<u><u>\$17,319,774</u></u>	<u><u>\$18,235,023</u></u>
			Annual Percent Change	<u>N/A</u>		<u>10.25%</u>	<u>6.67%</u>	<u>5.09%</u>	<u>4.90%</u>	<u>5.78%</u>	<u>5.28%</u>

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] Adjustment amount shown to account for additional costs budgeted in Fiscal Year 2023 that were provided after the initial expenditure projection was developed.
- [5] Amount based on 0.25% of annual revenues to allow for uncollectible accounts.

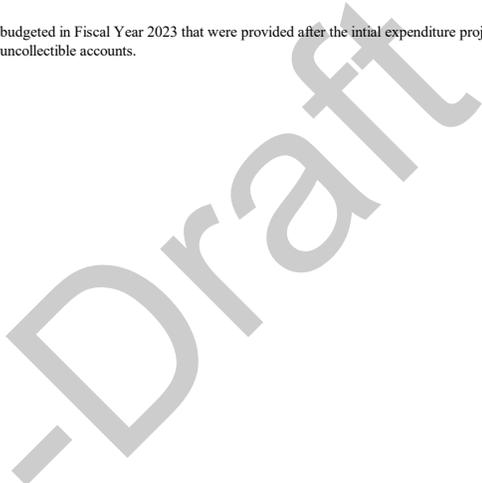


Table 1-11
City of Hallandale Beach, Florida
Utility Rate Study

Summary of Projected Water and Wastewater System Expense Escalation Factors

Line No.	Description	Escalation Reference	Projected Fiscal Year Ending September 30,					
			2023	2024	2025	2026	2027	2028
1	Constant	Constant	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2	General Inflation (CPI-U Index) [1]	Inflation	1.0700	1.0500	1.0230	1.0230	1.0240	1.0240
3	Labor and Benefits Escalator	Personnel	1.0500	1.0350	1.0350	1.0350	1.0350	1.0350
4	Customer Acct. Growth + Inflation (Water)	Cust-Water	1.0894	1.0552	1.0263	1.0247	1.0260	1.0260
5	Customer Acct. Growth + Inflation (Sewer)	Cust-Sewer	1.0924	1.0560	1.0268	1.0250	1.0263	1.0263
6	Rate Revenue - Water	Water Rev	1.0127	1.0379	1.0028	1.0004	1.0114	1.0055
7	Rate Revenue - Sewer	Sewer Rev	1.0132	1.0350	1.0030	1.0004	1.0120	1.0056
8	Flow Growth + Inflation (Water)	Water Flow	1.0795	1.0680	1.0252	1.0233	1.0327	1.0278
9	Flow Growth + Inflation (Sewer)	Sewer Flow	1.0823	1.0731	1.0258	1.0234	1.0352	1.0289
10	Electric Utility Costs	Utility	1.0600	1.0600	1.0600	1.0600	1.0600	1.0600
11	Flow Growth + Utility Costs (Water)	Utility-W	1.0695	1.0782	1.0623	1.0603	1.0690	1.0640
12	Flow Growth + Utility Costs (Sewer)	Utility-S	1.0722	1.0834	1.0629	1.0604	1.0716	1.0651
13	Chemical Costs	Chemical	1.1000	1.0500	1.0500	1.0500	1.0500	1.0500
14	Flow Growth + Chemicals (Water)	Chem-W	1.1098	1.0680	1.0522	1.0503	1.0589	1.0539
15	Flow Growth + Chemicals (Sewer)	Chem-S	1.1127	1.0731	1.0529	1.0504	1.0614	1.0550
16	Life/Health/Disability Insurance Escalator	Ins-Health	1.1000	1.1000	1.1000	1.1000	1.1000	1.1000
17	Workers' Compensation	Worker Comp	1.0500	1.0500	1.0500	1.0500	1.0500	1.0500
18	Property Insurance Escalator	Ins-Property	1.0500	1.0500	1.0500	1.0500	1.0500	1.0500
19	Repair and Maintenance	Repair	1.0500	1.0500	1.0500	1.0500	1.0500	1.0500
20	Marginal Escalator	Margin	1.0100	1.0100	1.0100	1.0100	1.0100	1.0100
21	Eliminate	Eliminate	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	Fuel	Fuel	1.1000	1.0700	1.0700	1.0700	1.0700	1.0700
23	Water Flows	Wflow	1.0089	1.0171	1.0021	1.0003	1.0085	1.0038
24	Wastewater Flows	Sflow	1.0115	1.0220	1.0027	1.0004	1.0109	1.0048
25	Change in Growth in Water Accounts [2]	WCustGrowth	10.4167	0.2800	0.6571	0.5217	1.1667	1.0000
26	Change in Growth in Sewer Accounts [2]	SCustGrowth	10.4167	0.2800	0.6571	0.5217	1.1667	1.0000
27	Professional Services	ProfSvc	1.0400	1.0400	1.0400	1.0400	1.0400	1.0400
28	Bulk Water	Bulk Water	1.0594	1.0680	1.0522	1.0503	1.0589	1.0539

Footnotes:

[1] Inflation figures in FY 2023 and 2024 based on recent trends and in FY 2025 and 2028 based on the "The Budget and Economic Outlook: An Update" published by the Congressional Budget Office as of May 2022.

[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 2022		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	81.78%	18.22%	100.00%
5	Operating Expenses	Expenses	47.82%	52.18%	100.00%
6	Customer Accounts	Accounts	53.51%	46.49%	100.00%
7	Rate Revenues	Revenues	43.20%	56.80%	100.00%

Derivation of Allocation References

		Water System	Wastewater System	Combined Total
<u>Personnel Expense</u>				
8	Water Administration	\$1,671,883	\$0	\$1,671,883
9	Water Production	1,407,592	0	1,407,592
10	Transmission and Distribution	1,432,276	0	1,432,276
11	Utility Billing Division	1,026,816	0	1,026,816
12	Plant Maintenance	246,385	0	246,385
13	Non-Departmental	95,000	0	95,000
14	Renewal & Replacement	0	0	0
15	Sewer Collection Administration	0	1,309,610	1,309,610
16	Total Personnel Expense - 2022	\$5,879,952	\$1,309,610	\$7,189,562
17	Personnel Expense Allocation	81.78%	18.22%	100.00%
18	Operating Expenses - 2022	\$11,572,127	\$12,629,748	\$24,201,875
19	Operating Expense Allocation	47.82%	52.18%	100.00%
20	Customer Accounts - 2022	6,880	5,978	12,858
21	Customer Accounts Allocation	53.51%	46.49%	100.00%
22	Rate Revenues - 2022	\$11,134,533	\$14,639,087	\$25,773,620
23	Rate Revenues Allocation	43.20%	56.80%	100.00%

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

Projected Bulk Sewer Service Costs

Line No.	Description	Actual 2021	Budgeted [1] 2022	Projected Fiscal Year Ending September 30, [2]					
				2023	2024	2025	2026	2027	2028
<u>Hollywood Bulk Sewer Purchases</u>									
1	Wastewater Revenue Gallons - Est. Metered Sales	1,562,601	1,563,231	1,581,219	1,616,073	1,620,468	1,621,097	1,638,770	1,646,623
2	Projected Infiltration and Inflow	1,200,665	1,201,148	1,214,970	1,241,751	1,245,128	1,245,612	1,259,191	1,265,225
3	Percent of Purchases	43%	43%	43%	43%	43%	43%	43%	43%
4	Projected Increase in Sewer Flow	NA	0.04%	1.15%	2.20%	0.27%	0.04%	1.09%	0.48%
5	Thousands of Gallons Purchased	2,763,266	2,764,379	2,796,189	2,857,824	2,865,596	2,866,709	2,897,961	2,911,849
6	MGD Purchased	7.571	7.574	7.661	7.830	7.851	7.854	7.940	7.978
7	Cost per Thousand Gallons	\$3.12	\$3.50	\$3.68	\$3.86	\$4.05	\$4.25	\$4.47	\$4.69
8	% Annual Cost Increase	NA	12.24%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
9	Total Bulk Sewer Flow Cost	\$8,616,786	\$9,675,326	\$10,275,995	\$11,027,629	\$11,610,499	\$12,195,758	\$12,945,150	\$13,657,544
10	Annual % Increase in Bulk Sewer Flow Costs		12.28%	6.21%	7.31%	5.29%	5.04%	6.14%	5.50%

Footnotes

[1] Fiscal Year 2022 Bulk Sewer Purchased Cost amount derived from the Adopted Fiscal Year 2022 Budget.

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

Projected Capital Funding Program [1]

Line No.	Description	Project Number	Funding Source	Projected Fiscal Years Ending September 30.							Total
				2022	2023	2024	2025	2026	2027	2028	
Water Capital Improvement Projects											
1	Insertion Valves	P2004	WREV2	\$100,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$200,000
2	Modulating Valves	P1903	W-RR	350,000	150,000	0	0	0	0	0	500,000
3	Lime Silo	P2106	WREV2	350,000	350,000	0	0	0	0	0	700,000
4	Lime Slaker	P2107	WREV2	250,000	350,000	350,000	0	0	0	0	950,000
5	Ammonia Disinfection	P2124	WREV2	375,000	0	0	0	0	0	0	375,000
6	Transfers Pumps Improvements	P1606	WREV2	1,916,492	0	0	0	0	0	0	1,916,492
7	Broward Wells at Brian Piccolo	P2206	WREV2	500,000	1,000,000	0	0	0	0	0	1,500,000
8	Alternative Water Supply C-51	P2201	WREV2	2,300,000	2,300,000	0	0	0	0	0	4,600,000
9	Raw Water Well #9	P1908	WREV2	1,124,932	0	0	0	0	0	0	1,124,932
10	Distribution System Upgrades	P2005	WREV2	500,000	500,000	0	0	0	0	0	1,000,000
11	Lime Plant Softener	P2007	WREV2	370,000	0	0	0	0	0	0	370,000
12	Water Distribution Master Plan	P2109	WREV2	1,130,488	0	0	0	0	0	0	1,130,488
13	Reverse Osmosis Skid (Skid #3)	P2127	WREV2	4,115,588	0	0	0	0	0	0	4,115,588
14	Parkview Drive 16" Water Main	P2213	Debt1	535,000	3,200,000	0	0	0	0	0	3,735,000
15	Diplomat Parkway 12" Water Main	P2211	Debt1	227,310	1,773,000	0	0	0	0	0	2,000,310
16	Layne Boulevard 10" Water Main	P2118	Debt1	174,126	1,296,570	0	0	0	0	0	1,470,696
17	N.E. 7th Street 12" Water Main	P2128	Debt1	489,600	3,470,000	0	0	0	0	0	3,959,600
18	HBB 14 inch Watermain Golden Isles Dr.	P2209	Debt1	242,650	0	1,671,200	0	0	0	0	1,913,850
19	Atlantic Shores Blvd. WM Replacement (NE. 14th Ave)	P2210	Debt1	141,120	728,327	0	0	0	0	0	869,447
20	16 inch Water Main Replacment/Subaqueous Crossing	P2208	Debt1	499,430	0	3,559,000	0	0	0	0	4,058,430
21	NE. 14th Watermain Replacement (HBB and Atlantic Shores)	P2212	Debt1	244,745	0	2,820,527	0	0	0	0	3,065,272
22	North Miami Beach Water Interconnect	P2105	Debt1	192,473	1,225,000	525,000	0	0	0	0	1,942,473
23	Floridan Aquifer Water Supply Wells	P2301	Debt1	0	500,000	10,994,000	0	0	0	0	11,494,000
24	Federal Highway 16" Water Main	CIP 1000	Debt3	0	0	0	0	0	9,031,200	0	9,031,200
25	S.W. 3rd Street 10" Water Main	CIP 1001	Debt2	0	0	0	0	3,222,300	0	0	3,222,300
26	S. Ocean Dr. 16 " Water Main	CIP 1002	Debt3	0	0	0	0	0	3,560,400	0	3,560,400
27	Raw Water Piping Improvements at Membrane Building	CIP 1003	Debt2	0	0	0	0	800,000	0	0	800,000
28	Raw Water Well Nos. 3, 5, 7 and 8 Redevelopment	CIP 1004	Debt3	0	0	0	0	0	0	1,924,000	1,924,000
29	Raw Water Well Nos. 3, 5, 7 and 8 Wellhead Upgrade and Pump Replacement	CIP 1005	Debt3	0	0	0	0	0	0	7,890,000	7,890,000
30	Raw Water Wellhead Renewal and Replacement	CIP 1006	Debt3	0	0	0	0	0	0	1,500,000	1,500,000
31	WTP Raw Meter Vault Improvements	CIP 1007	Debt2	0	0	0	400,000	0	0	0	400,000
32	Treatment Units 2 and 3 Rehab	CIP 1008	Debt2	0	0	0	0	3,560,000	0	0	3,560,000
33	Polymer and Sodium Hex Storage and Feed Improvements	CIP 1009	Debt2	0	0	0	815,000	0	0	0	815,000
34	Sodium Hypochlorite Feed System Replacement	CIP 1010	Debt2	0	0	0	400,000	0	0	0	400,000
35	Sodium Hypochlorite Storage System Replacement	CIP 1011	Debt2	0	0	0	500,000	0	0	0	500,000
36	WTP Filters 7-10 Rehab	CIP 1012	Debt2	0	0	0	0	5,995,000	0	0	5,995,000
37	WTP Filters 1-6 Rehab	CIP 1013	Debt3	0	0	0	0	0	8,990,000	0	8,990,000
38	Lime Plant Air Compressor Replacement	CIP 1014	Debt2	0	0	0	97,000	0	0	0	97,000
39	Membrane plant chemical pump replacement project.	CIP 1015	Debt2	0	0	0	3,150,000	0	0	0	3,150,000
40	WTP Emergency Power Generator	CIP 1016	Debt2	0	0	0	750,000	0	0	0	750,000
41	Membrane and Generator Buildings AC Units Replacement	CIP 1017	Debt2	0	0	0	200,000	0	0	0	200,000
42	Membrane Building, Generator Building and Degasifier Structure Painting Interior	CIP 1018	Debt2	0	0	0	400,000	0	0	0	400,000
43	NF Skid No. 3 and RO Skid No. 2	CIP 1019	Debt2	0	0	0	6,696,500	6,696,500	0	0	13,393,000
44	Safety system for membrane cleaning, chemicals are added manually and adding a f	CIP 1020	Debt2	0	0	0	75,000	0	0	0	75,000
45	WTP Diesel Driven Pump and Fuel Storage Tank Replacement	CIP 1023	Debt2	0	0	0	0	600,000	0	0	600,000
46	Disinfection Compliance Monitoring	CIP 1025	Debt1	0	0	100,000	0	0	0	0	100,000
47	WTP Disinfection Improvements	CIP 1027	Debt2	0	0	0	2,000,000	0	0	0	2,000,000
48	Dixie Hwy 12 in water main	CIP 1028	Debt2	0	0	0	0	6,706,800	0	0	6,706,800
49	Utility Telemetry	P2125	Other	199,700	1,209,750	0	0	0	0	0	1,409,450

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

Projected Capital Funding Program (1)

Line No.	Description	Project Number	Funding Source	Projected Fiscal Years Ending September 30.							Total
				2022	2023	2024	2025	2026	2027	2028	
50	Raw Water Well #9	P1907	W-RR	1,141,765	0	0	0	0	0	0	1,141,765
51	GIS GEO Reference Project	P2123	W-RR	73,960	0	0	0	0	0	0	73,960
52	Nano Waterplant Roof Replacement	P2104	W-RR	195,500	0	0	0	0	0	0	195,500
53	Climate Action Plan	P2202	W-RR	62,500	0	0	0	0	0	0	62,500
54	Additional Project 1	N/A	WREV2	0	0	0	0	0	0	0	0
55	Total Water Capital Improvement Projects			\$17,802,379	\$18,152,647	\$20,019,727	\$15,483,500	\$27,580,600	\$21,581,600	\$11,314,000	\$131,934,453
56	Water Departmental Capital Outlay		WREV1	\$777,654	\$777,654	\$777,654	\$777,654	\$777,654	\$777,654	\$777,654	\$5,443,579
57	Total Water System Departmental Capital Outlay			\$777,654	\$777,654	\$777,654	\$777,654	\$777,654	\$777,654	\$777,654	\$5,443,579
58	Total Water Capital Improvement Projects			\$18,580,033	\$18,930,301	\$20,797,381	\$16,261,154	\$28,358,254	\$22,359,254	\$12,091,654	\$137,378,032
Sanitary Sewer Capital Improvement Projects											
59	Three Island Reuse Irrigation (Phase II)		SREV2	\$900,923	\$0	\$0	\$0	\$0	\$0	\$0	\$900,923
60	Hollywood Interconnect		Debt1	0	500,000	0	0	0	0	0	500,000
61	Lift Station 6 Capacity Improvements (portion is grant funded)		Other	361,092	2,314,000	0	0	0	0	0	2,675,092
62	NE 7th St. Forcemain (portion is grant funded)		Other	412,110	1,954,851	0	0	0	0	0	2,366,961
63	Lift Station 9 Capacity Improvements (portion is grant funded)		Other	199,070	1,150,000	0	0	0	0	0	1,349,070
64	Lift Station 12 Capacity Improvements (portion is grant funded)		Other	297,102	3,063,572	0	0	0	0	0	3,360,674
65	Lift Station 13 Capacity Improvements (portion is grant funded)		Other	203,636	1,100,000	0	0	0	0	0	1,303,636
66	Lift Station 14 Capacity Improvements (portion is grant funded)		Other	73,990	1,230,000	0	0	0	0	0	1,303,990
67	30-in Force Main (portion grant funded)		Other	272,474	2,857,046	0	0	0	0	0	3,129,520
68	Dixie Hwy Force Main (design and construction grant funded)		Other	2,800,000	0	0	0	0	0	0	2,800,000
69	Lift Station 1 Force Main Improvements #1		Debt1	281,325	1,836,169	0	0	0	0	0	2,117,494
70	Lift Station 1 Capacity Improvements		Debt1	473,591	3,533,258	0	0	0	0	0	4,006,849
71	Lift Station 1 Force Main Improvement from the beach		Debt1	0	1,500,000	0	0	0	0	0	1,500,000
72	Lift Station 2 Capacity Improvements		Debt1	78,809	690,000	0	0	0	0	0	768,809
73	Lift Station 3 Capacity Improvements		Debt1	220,290	1,488,750	0	0	0	0	0	1,709,040
74	Lift Station 4 Capacity Improvements		Debt1	204,410	1,547,000	0	0	0	0	0	1,751,410
75	Lift Station 5 Capacity Improvements		Debt1	318,845	1,250,000	0	0	0	0	0	1,568,845
76	Lift Station 7 Capacity Improvements		Debt1	0	1,500,000	0	0	0	0	0	1,500,000
77	Lift Station 10 Capacity Improvements		Debt1	162,554	894,605	0	0	0	0	0	1,057,159
78	Lift Station 11 Capacity Improvements		Debt1	162,554	894,605	0	0	0	0	0	1,057,159
79	Lift Station 15 Capacity Improvements		Debt1	162,554	894,605	0	0	0	0	0	1,057,159
80	Inflow and Infiltration Sewer Rehab		Other	2,252,879	0	0	0	0	0	0	2,252,879
81	Sewer Improvement Lift Station #8		S-RR	540,747	0	0	0	0	0	0	540,747
82	GIS GEO Reference Project		S-RR	73,960	0	0	0	0	0	0	73,960
83	Climate Action Plan		S-RR	62,500	0	0	0	0	0	0	62,500
84	Additional Project 1		SREV2	0	0	0	0	0	0	0	0
85	Total Sanitary Sewer Capital Improvement Projects			\$10,515,415	\$30,198,461	\$0	\$0	\$0	\$0	\$0	\$40,713,876
86	Sanitary Sewer Departmental Capital Outlay		SREV1	\$333,980	\$333,980	\$333,980	\$333,980	\$333,980	\$333,980	\$333,980	\$2,337,860
87	Total Sanitary Sewer Departmental Capital Outlay			\$333,980	\$333,980	\$333,980	\$333,980	\$333,980	\$333,980	\$333,980	\$2,337,860
88	Total Sanitary Sewer Capital Improvement Projects			\$10,849,395	\$30,532,441	\$333,980	\$333,980	\$333,980	\$333,980	\$333,980	\$43,051,736
89	Total Utility Fund Capital Improvement Program			\$29,429,427	\$49,462,742	\$21,131,361	\$16,595,134	\$28,692,234	\$22,693,234	\$12,425,634	\$180,429,767

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

Projected Capital Funding Program [1]

Line No.	Description	Project Number	Funding Source	Projected Fiscal Years Ending September 30.							Total
				2022	2023	2024	2025	2026	2027	2028	
FUNDING SOURCES											
90	Operating Reserves - Water System		W-OR	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
91	Operating Reserves - Wastewater System		S-OR	0	0	0	0	0	0	0	0
92	Renewal and Replacement Fund - Water System		W-RR	1,823,725	150,000	0	0	0	0	0	1,973,725
93	Renewal and Replacement Fund - Wastewater System		S-RR	677,207	0	0	0	0	0	0	677,207
94	Rate Revenue - Water System (Recurring Capital)		WREV1	777,654	777,654	777,654	777,654	777,654	777,654	777,654	5,443,579
95	Rate Revenue - Water System (For all other lawful capital expenditures)		WREV2	13,032,500	4,600,000	350,000	0	0	0	0	17,982,500
96	Rate Revenue - Wastewater System (Recurring Capital)		SREV1	333,980	333,980	333,980	333,980	333,980	333,980	333,980	2,337,860
97	Rate Revenue - Wastewater System (For all other lawful capital expenditures)		SREV2	900,923	0	0	0	0	0	0	900,923
98	Water Impact Fees		WCF	0	0	0	0	0	0	0	0
99	Wastewater Impact Fees		SCF	0	0	0	0	0	0	0	0
100	Other Funding Sources / Proportionate Share Revenues		Other	7,072,053	14,879,219	0	0	0	0	0	21,951,272
101	Sewer Expansion Construction Fund		Construction	0	0	0	0	0	0	0	0
102	Additional Debt 1		Debt1	4,811,386	28,721,889	19,669,727	0	0	0	0	53,203,002
103	Additional Debt 2		Debt2	0	0	0	15,483,500	27,580,600	0	0	43,064,100
104	Additional Debt 3		Debt3	0	0	0	0	0	21,581,600	11,314,000	32,895,600
105	Additional Debt 4		Debt4	0	0	0	0	0	0	0	0
106	TOTAL FUNDING SOURCES			\$29,429,427	\$49,462,742	\$21,131,361	\$16,595,134	\$28,692,234	\$22,693,234	\$12,425,634	\$180,429,767

Footnotes:

[1] Amounts as provided by the City of Hallandale Beach.

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,						
		2022	2023	2024	2025	2026	2027	2028
<u>PROPOSED DEBT SERVICE - ADDITIONAL DEBT</u>		\$785,722	\$610,166	\$614,821	\$615,921	\$216,012	\$216,012	\$216,012
<u>Additional Debt 1</u>								
37	Annual Principal Payment - Accrual	\$0	\$949,398	\$992,121	\$1,036,767	\$1,083,421	\$1,132,175	\$1,183,123
38	Annual Interest Payment - Accrual	0	2,606,400	2,563,677	2,519,032	2,472,377	2,423,623	2,372,675
39	Total Annual Debt Service - Accrual	\$0	\$3,555,798	\$3,555,798	\$3,555,798	\$3,555,798	\$3,555,798	\$3,555,798
40	Percent Allocated to Water System	65.05%	65.05%	65.05%	65.05%	65.05%	65.05%	65.05%
41	Percent Allocated to Wastewater System	34.95%	34.95%	34.95%	34.95%	34.95%	34.95%	34.95%
42	Percent Allocated to Stormwater System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
43	Amount Allocated to Water System	\$0	\$2,313,082	\$2,313,082	\$2,313,082	\$2,313,082	\$2,313,082	\$2,313,082
44	Amount Allocated to Wastewater System	0	1,242,716	1,242,716	1,242,716	1,242,716	1,242,716	1,242,716
45	Amount Allocated to Stormwater System	0	0	0	0	0	0	0
<u>Additional Debt 2</u>								
46	Annual Principal Payment	\$0	\$0	\$0	\$708,471	\$743,895	\$781,089	\$820,144
47	Annual Interest Payment	0	0	0	2,353,500	2,318,076	2,280,882	2,241,827
48	Total Annual Debt Service	\$0	\$0	\$0	\$3,061,971	\$3,061,971	\$3,061,971	\$3,061,971
49	Percent Allocated to Water System	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
50	Percent Allocated to Wastewater System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
51	Percent Allocated to Stormwater System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
52	Amount Allocated to Water System	\$0	\$0	\$0	\$3,061,971	\$3,061,971	\$3,061,971	\$3,061,971
53	Amount Allocated to Wastewater System	0	0	0	0	0	0	0
54	Amount Allocated to Stormwater System	0	0	0	0	0	0	0
<u>Additional Debt 3</u>								
55	Annual Principal Payment	\$0	\$0	\$0	\$0	\$0	\$498,444	\$525,858
56	Annual Interest Payment	0	0	0	0	0	1,985,775	1,958,361
57	Total Annual Debt Service	\$0	\$0	\$0	\$0	\$0	\$2,484,219	\$2,484,219
58	Percent Allocated to Water System	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
59	Percent Allocated to Wastewater System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
60	Percent Allocated to Stormwater System	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
61	Amount Allocated to Water System	\$0	\$0	\$0	\$0	\$0	\$2,484,219	\$2,484,219
62	Amount Allocated to Wastewater System	0	0	0	0	0	0	0
63	Amount Allocated to Stormwater System	0	0	0	0	0	0	0
<u>TOTAL DEBT SERVICE - PROPOSED DEBT</u>								
64	Amount Allocated to Water System	\$0	\$2,313,082	\$2,313,082	\$5,375,053	\$5,375,053	\$7,859,271	\$7,859,271
65	Amount Allocated to Wastewater System	0	1,242,716	1,242,716	1,242,716	1,242,716	1,242,716	1,242,716
66	Percent Allocated to Stormwater System	0	0	0	0	0	0	0
67	Total Annual Debt Service	\$0	\$3,555,798	\$3,555,798	\$6,617,769	\$6,617,769	\$9,101,988	\$9,101,988
68	Percent Allocated to Water System	0.00%	65.05%	65.05%	81.22%	81.22%	86.35%	86.35%
69	Percent Allocated to Wastewater System	0.00%	34.95%	34.95%	18.78%	18.78%	13.65%	13.65%
70	Percent Allocated to Stormwater System	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<u>TOTAL DEBT SERVICE - EXISTING AND PROPOSED</u>								
71	Amount Allocated to Water System	\$523,807	\$2,639,301	\$2,643,154	\$5,706,035	\$5,375,053	\$7,859,271	\$7,859,271
72	Amount Allocated to Wastewater System	261,915	1,526,663	1,527,466	1,527,655	1,458,728	1,458,728	1,458,728
73	Amount Allocated to Stormwater System	276,273	203,865	206,272	206,841	0	0	0
74	Total Annual Debt Service	\$1,061,995	\$4,369,829	\$4,376,891	\$7,440,531	\$6,833,781	\$9,318,000	\$9,318,000
75	Percent Allocated to Water System	49.32%	60.40%	60.39%	76.69%	78.65%	84.35%	84.35%
76	Percent Allocated to Wastewater System	24.66%	34.94%	34.90%	20.53%	21.35%	15.65%	15.65%
77	Percent Allocated to Stormwater System	26.01%	4.67%	4.71%	2.78%	0.00%	0.00%	0.00%

Footnotes:

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

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

Projected Transfers to the Renewal and Replacement Fund

Line No.	Description	Projected Fiscal Year Ending September 30,						
		2022	2023	2024	2025	2026	2027	2028
1	PRIOR REVENUE YEAR	2021	2022	2023	2024	2025	2026	2027
	WATER SYSTEM							
	<u>Sales Revenues</u>							
2	Total Prior Year Rate Revenues	\$10,806,362	\$11,134,533	\$15,786,566	\$19,170,617	\$21,146,912	\$22,636,390	\$24,096,283
	<u>Other Revenues</u>							
3	Other Operating Revenues	\$822,701	\$871,977	\$905,448	\$929,716	\$952,913	\$976,793	\$1,001,584
4	Interest Income	0	43,000	20,000	16,000	23,000	27,000	32,000
5	Total Other Revenues	\$822,701	\$914,977	\$925,448	\$945,716	\$975,913	\$1,003,793	\$1,033,584
6	Total Water System Revenues	\$11,629,063	\$12,049,510	\$16,712,014	\$20,116,333	\$22,122,826	\$23,640,183	\$25,129,867
	<u>Renewal and Replacement Fund</u>							
7	Prior Year Ending Balance	\$3,085,810	\$1,262,085	\$1,112,085	\$1,253,401	\$1,508,725	\$1,659,212	\$1,773,014
8	Target Balance of 7.50% of Prior Year Revenues	\$872,180	\$903,713	\$1,253,401	\$1,508,725	\$1,659,212	\$1,773,014	\$1,884,740
9	Additional Required Deposit	\$0	\$0	\$141,316	\$255,324	\$150,487	\$113,802	\$111,726
10	Funding Deposit % (Prior Year Revenues)	0.00%	0.00%	0.85%	1.27%	0.68%	0.48%	0.44%
11	Calculated Deposit	\$0	\$0	\$141,316	\$255,324	\$150,487	\$113,802	\$111,726
12	Additional Adjustments	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Total Water Deposit	\$0	\$0	\$141,316	\$255,324	\$150,487	\$113,802	\$111,726
	WASTEWATER SYSTEM							
	<u>Sales Revenues</u>							
14	Total Prior Year Rate Revenues	\$14,345,987	\$14,639,087	\$15,610,554	\$17,004,554	\$17,950,350	\$18,900,795	\$20,131,284
	<u>Other Revenues</u>							
15	Other Operating Revenues	\$214,883	\$199,500	\$199,500	\$199,500	\$199,500	\$199,500	\$199,500
16	Interest Income	0	20,000	21,000	20,000	18,000	19,000	18,000
17	Total Other Revenues	\$214,883	\$219,500	\$220,500	\$219,500	\$217,500	\$218,500	\$217,500
18	Total Wastewater System Revenues	\$14,560,871	\$14,858,587	\$15,831,054	\$17,224,054	\$18,167,850	\$19,119,295	\$20,348,784
	<u>Renewal and Replacement Fund</u>							
19	Prior Year Ending Balance	\$3,287,818	\$2,610,611	\$2,400,611	\$2,190,611	\$1,980,611	\$1,770,611	\$1,560,611
20	Target Balance of 7.50% of Prior Year Revenues	\$1,092,065	\$1,114,394	\$1,187,329	\$1,291,804	\$1,362,589	\$1,433,947	\$1,526,159
21	Additional Required Deposit	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22	Funding Target	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
23	Calculated Deposit	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Additional Deposits	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Total Wastewater Deposit	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	TOTAL ANNUAL DEPOSIT	\$0	\$0	\$141,316	\$255,324	\$150,487	\$113,802	\$111,726

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

Project of Payment in Lieu of Franchise Fees

Line No.	Description	Projected Fiscal Year Ending September 30,						
		2022	2023	2024	2025	2026	2027	2028
	Prior Year	2021	2022	2023	2024	2025	2026	2027
	<u>Water System</u>							
	Gross Revenues							
1	Existing Rate Revenue	\$10,806,362	\$11,134,533	\$11,276,119	\$11,703,643	\$11,736,566	\$11,741,304	\$11,875,131
2	Prior Year Rate Adjustments	0	0	0	4,681,500	7,487,900	9,414,200	11,019,200
3	Current Year Rate Adjustments	0	0	4,510,447	2,785,474	1,922,447	1,480,885	1,201,952
4	Other Operating Revenues	843,134	871,977	905,448	929,716	952,913	976,793	1,001,584
5	Unrestricted Interest Income	0	43,000	20,000	16,000	23,000	27,000	32,000
6	Total	\$11,649,496	\$12,049,510	\$16,712,014	\$20,116,333	\$22,122,826	\$23,640,183	\$25,129,867
7	Proposed Franchise Fee Rate (% of Revenue)	0.0%	5.4%	5.4%	5.4%	5.4%	5.4%	5.4%
8	Estimated Payment in Lieu of Franchise Fees	\$0	\$648,019	\$898,767	\$1,081,850	\$1,189,759	\$1,271,362	\$1,351,477
	<u>Wastewater System</u>							
	Gross Revenues							
9	Existing Rate Revenue	\$14,345,987	\$14,639,087	\$14,831,880	\$15,350,446	\$15,395,964	\$15,402,500	\$15,586,910
10	Prior Year Rate Adjustments	0	0	0	805,900	1,659,000	2,555,500	3,540,200
11	Current Year Rate Adjustments	0	0	778,674	848,208	895,386	942,795	1,004,173
12	Other Operating Revenues	188,905	199,500	199,500	199,500	199,500	199,500	199,500
13	Unrestricted Interest Income	0	20,000	21,000	20,000	18,000	19,000	18,000
14	Total	\$14,534,892	\$14,858,587	\$15,831,054	\$17,224,054	\$18,167,850	\$19,119,295	\$20,348,784
15	Proposed Franchise Fee Rate (% of Revenue)	0.0%	5.7%	5.7%	5.7%	5.7%	5.7%	5.7%
16	Estimated Payment in Lieu of Franchise Fees	\$0	\$851,981	\$907,742	\$987,615	\$1,041,732	\$1,096,287	\$1,166,785
17	TOTAL SYSTEM	\$0	\$1,500,000	\$1,806,509	\$2,069,466	\$2,231,491	\$2,367,649	\$2,518,262
18	Percent of Rate Revenues	0.0%	5.6%	5.6%	5.5%	5.5%	5.5%	5.5%

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

Projected Water Revenue Requirements

Line No.	Description	Projected Fiscal Year Ending September 30,						
		2022	2023	2024	2025	2026	2027	2028
Projected Operating Expenses & Administrative Charges								
1	Operating Expenses & Administrative Charges [1]	\$11,572,127	\$12,690,408	\$13,293,109	\$13,880,258	\$14,493,173	\$15,152,452	\$15,837,149
2	Plus Additional Adjustments	0	0	0	0	0	0	0
3	Total Operating Expenses & Administrative Charges	\$11,572,127	\$12,690,408	\$13,293,109	\$13,880,258	\$14,493,173	\$15,152,452	\$15,837,149
Other Revenue Requirements								
Debt Service [2]								
4	Existing Debt Service	\$523,807	\$326,219	\$330,072	\$330,982	\$0	\$0	\$0
5	Proposed Debt Service	0	2,313,082	2,313,082	5,375,053	5,375,053	7,859,271	7,859,271
Less:								
6	Amount Paid by Impact Fees	0	0	0	0	0	0	0
7	Total Debt Service	\$523,807	\$2,639,301	\$2,643,154	\$5,706,035	\$5,375,053	\$7,859,271	\$7,859,271
8	Payment In Lieu of Franchise Fees	0	648,019	898,767	1,081,850	1,189,759	1,271,362	1,351,477
9	Transfer to Renewals & Replacement Fund [3]	0	0	141,316	255,324	150,487	113,802	111,726
10	Capital Funded from Rates [4]	13,810,154	5,377,654	1,127,654	777,654	777,654	777,654	777,654
11	Operating Reserves - Deposits to/(Uses of)	0	0	0	0	0	0	0
12	Total Other Revenue Requirements	\$14,333,961	\$8,664,974	\$4,810,891	\$7,820,863	\$7,492,953	\$10,022,089	\$10,100,129
13	Gross Revenue Requirements	\$25,906,088	\$21,355,382	\$18,104,000	\$21,701,122	\$21,986,126	\$25,174,541	\$25,937,277
Less Income and Funds from Other Sources								
14	Other Operating Revenue [5]	\$871,977	\$905,448	\$929,716	\$952,913	\$976,793	\$1,001,584	\$1,027,225
15	Unrestricted Interest Income [6]	43,000	20,000	16,000	23,000	27,000	32,000	33,000
16	Sub-total Income and Funds from Other Sources	\$914,977	\$925,448	\$945,716	\$975,913	\$1,003,793	\$1,033,584	\$1,060,225
17	Net Revenue Requirements	\$24,991,111	\$20,429,934	\$17,158,284	\$20,725,208	\$20,982,333	\$24,140,957	\$24,877,052
Revenue from Water Rates								
18	Existing Rate Revenue [7]	\$11,134,533	\$11,276,119	\$11,703,643	\$11,736,566	\$11,741,304	\$11,875,131	\$11,940,755
19	Prior Year Rate Adjustments	0	0	4,681,500	7,487,900	9,414,200	11,019,200	12,288,700
20	Total Rate Revenue Before Current Year Adjustment	\$11,134,533	\$11,276,119	\$16,385,143	\$19,224,466	\$21,155,504	\$22,894,331	\$24,229,455
System-wide Rate Adjustments								
21	Current Year Rate Adjustment	0.00%	40.00%	17.00%	10.00%	7.00%	5.25%	3.75%
22	Effective Month	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.
23	% of Current Year Effective	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
24	Total Revenue from Current Year Adjustments	\$0	\$4,510,447	\$2,785,474	\$1,922,447	\$1,480,885	\$1,201,952	\$908,605
25	Cumulative Rate Adjustments	0.00%	40.00%	63.80%	80.18%	92.79%	102.91%	110.52%
26	Total Revenue from Rates	\$11,134,533	\$15,786,566	\$19,170,617	\$21,146,912	\$22,636,390	\$24,096,283	\$25,138,059
27	Projected Surplus/(Deficiency)	(\$13,856,578)	(\$4,643,368)	\$2,012,333	\$421,704	\$1,654,057	(\$44,674)	\$261,007
28	Surplus/(Deficiency) - Percent of Rate Revenues	(124.45%)	(29.41%)	10.50%	1.99%	7.31%	(0.19%)	1.04%
Projected Year-End Cash Balances								
Description		Projected Fiscal Year Ending September 30,						
		2022	2023	2024	2025	2026	2027	2028
29	Operating Fund - Unrestricted	\$7,384,761	\$2,741,393	\$4,753,727	\$5,175,431	\$6,829,488	\$6,784,814	\$7,045,821
30	Reserve for Equipment - Unrestricted	381,539	381,539	381,539	381,539	381,539	381,539	381,539
31	Customer Deposits - Restricted	1,631,633	1,631,633	1,631,633	1,631,633	1,631,633	1,631,633	1,631,633
32	Renewal & Replacement Fund - Unrestricted	1,262,085	1,112,085	1,253,401	1,508,725	1,659,212	1,773,014	1,884,740
33	Future Construction Fund - Restricted	31,479,224	12,795,352	0	27,580,600	0	11,314,000	0
34	Impact Fee Fund - Restricted	835,660	1,287,439	2,702,040	2,812,833	2,834,660	3,265,738	3,483,300
35	Total Year-end Cash & Investments	\$42,974,902	\$19,949,441	\$10,722,340	\$39,090,760	\$13,336,532	\$25,150,737	\$14,427,033
36	Unrestricted Cash Days of Revenue - Target	120	120	120	120	120	120	120
37	Unrestricted Cash Days of Revenue - Calculated	296	98	122	122	143	135	135

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,						
	2022	2023	2024	2025	2026	2027	2028
Revenues to Fund Recurring Capital	\$777,654	\$777,654	\$777,654	\$777,654	\$777,654	\$777,654	\$777,654
Revenues to Other Lawful Capital Expenditures	13,032,500	4,600,000	350,000	0	0	0	0
Total Capital Funded from Rates	\$13,810,154	\$5,377,654	\$1,127,654	\$777,654	\$777,654	\$777,654	\$777,654

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

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

Projected Wastewater Revenue Requirements

Line No.	Description	Projected Fiscal Year Ending September 30,						
		2022	2023	2024	2025	2026	2027	2028
Projected Operating Expenses & Administrative Charges								
1	Operating Expenses & Administrative Charges [1]	\$12,629,748	\$13,923,829	\$14,852,339	\$15,607,724	\$16,372,998	\$17,319,774	\$18,235,023
2	Plus Additional Adjustments	0	0	0	0	0	0	0
3	Total Operating Expenses & Administrative Charges	\$12,629,748	\$13,923,829	\$14,852,339	\$15,607,724	\$16,372,998	\$17,319,774	\$18,235,023
Other Revenue Requirements								
Debt Service [2]								
4	Existing Debt Service	\$261,915	\$283,947	\$284,749	\$284,939	\$216,012	\$216,012	\$216,012
5	Proposed Debt Service	0	1,242,716	1,242,716	1,242,716	1,242,716	1,242,716	1,242,716
Less:								
6	Amount Paid by Impact Fees	0	0	0	0	0	0	0
7	Total Debt Service	\$261,915	\$1,526,663	\$1,527,466	\$1,527,655	\$1,458,728	\$1,458,728	\$1,458,728
8	Payment In Lieu of Franchise Fees	0	851,981	907,742	987,615	1,041,732	1,096,287	1,166,785
9	Transfer to Renewals & Replacement Fund [3]	0	0	0	0	0	0	0
10	Capital Funded from Rates [4]	1,234,903	333,980	333,980	333,980	333,980	333,980	333,980
11	Operating Reserves - Deposits to/(Uses of)	0	0	0	0	0	0	0
12	Total Other Revenue Requirements	\$1,496,818	\$2,712,624	\$2,769,187	\$2,849,250	\$2,834,440	\$2,888,995	\$2,959,493
13	Gross Revenue Requirements	\$14,126,566	\$16,636,453	\$17,621,526	\$18,456,974	\$19,207,438	\$20,208,769	\$21,194,516
Less Income and Funds from Other Sources								
14	Other Operating Revenue [5]	\$199,500	\$199,500	\$199,500	\$199,500	\$199,500	\$199,500	\$199,500
15	Unrestricted Interest Income [6]	20,000	21,000	20,000	18,000	19,000	18,000	19,000
16	Sub-total Income and Funds from Other Sources	\$219,500	\$220,500	\$219,500	\$217,500	\$218,500	\$217,500	\$218,500
17	Net Revenue Requirements	\$13,907,066	\$16,415,953	\$17,402,026	\$18,239,474	\$18,988,938	\$19,991,269	\$20,976,016
Revenue from Wastewater Rates								
18	Existing Rate Revenue [7]	\$14,639,087	\$14,831,880	\$15,350,446	\$15,395,964	\$15,402,500	\$15,586,910	\$15,674,680
19	Prior Year Rate Adjustments	0	0	805,900	1,659,000	2,555,500	3,540,200	4,569,900
20	Total Rate Revenue Before Current Year Adjustment	\$14,639,087	\$14,831,880	\$16,156,346	\$17,054,964	\$17,958,000	\$19,127,110	\$20,244,580
Current Year Rate Adjustments								
21	Current Year Rate Adjustment Effective Month	0.00% Oct.	5.25% Oct.	5.25% Oct.	5.25% Oct.	5.25% Oct.	5.25% Oct.	3.75% Oct.
22	% of Current Year Effective	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
23	Total Revenue from Current Year Adjustments	\$0	\$778,674	\$848,208	\$895,386	\$942,795	\$1,004,173	\$759,172
24	Cumulative Rate Adjustments	0.00%	5.25%	10.78%	16.59%	22.71%	29.15%	34.00%
25	Total Revenue from Rates	\$14,639,087	\$15,610,554	\$17,004,554	\$17,950,350	\$18,900,795	\$20,131,284	\$21,003,752
26	Projected Surplus/(Deficiency)	\$732,021	(\$805,399)	(\$397,473)	(\$289,124)	(\$88,143)	\$140,014	\$27,736
27	Surplus/(Deficiency) - Percent of Rate Revenues	5.00%	(5.16%)	(2.34%)	(1.61%)	(0.47%)	0.70%	0.13%
Projected Year-End Cash Balances								
		Projected Fiscal Year Ending September 30,						
	Description	2022	2023	2024	2025	2026	2027	2028
28	Operating Fund	\$5,623,099	\$5,027,700	\$4,840,227	\$4,761,103	\$4,882,960	\$5,232,975	\$5,470,711
29	Reserve for Equipment	188,993	188,993	188,993	188,993	188,993	188,993	188,993
30	Customer Deposits	0	0	0	0	0	0	0
31	Renewal & Replacement Fund	2,610,611	2,400,611	2,190,611	1,980,611	1,770,611	1,560,611	1,350,611
32	Future Construction Fund	16,912,392	6,874,375	0	0	0	0	0
33	Impact Fee Fund	1,060,572	1,632,888	3,427,092	3,567,762	3,595,572	4,142,284	4,419,132
34	Total Year-end Cash & Investments	\$26,395,667	\$16,124,567	\$10,646,923	\$10,498,469	\$10,438,136	\$11,124,863	\$11,429,447
35	Unrestricted Cash Days of Revenue - Minimum Target	120	120	120	120	120	120	120
36	Unrestricted Cash Days of Revenue - Calculated	210	178	155	141	132	127	122

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.						
	2022	2023	2024	2025	2026	2027	2028
Revenues to Fund Recurring Capital	\$333,980	\$333,980	\$333,980	\$333,980	\$333,980	\$333,980	\$333,980
Revenues to Other Lawful Capital Expenditures	900,923	0	0	0	0	0	0
Total Capital Funded from Rates	\$1,234,903	\$333,980	\$333,980	\$333,980	\$333,980	\$333,980	\$333,980

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

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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,						
		2022	2023	2024	2025	2026	2027	2028
Projected Operating Expenses & Administrative Charges								
1	Operating Expenses & Administrative Charges	\$24,201,875	\$26,614,237	\$28,145,448	\$29,487,982	\$30,866,171	\$32,472,225	\$34,072,171
2	Plus Additional Adjustments	0	0	0	0	0	0	0
3	Total Operating Expenses & Administrative Charges	\$24,201,875	\$26,614,237	\$28,145,448	\$29,487,982	\$30,866,171	\$32,472,225	\$34,072,171
Other Revenue Requirements								
Debt Service								
4	Existing Debt Service	\$785,722	\$610,166	\$614,821	\$615,921	\$216,012	\$216,012	\$216,012
5	Proposed Debt Service	0	3,555,798	3,555,798	6,617,769	6,617,769	9,101,988	9,101,988
Less:								
6	Amount Paid by Impact Fees	0	0	0	0	0	0	0
7	Total Debt Service	\$785,722	\$4,165,964	\$4,170,619	\$7,233,690	\$6,833,781	\$9,318,000	\$9,318,000
8	Payment In Lieu of Franchise Fees	\$0	\$1,500,000	\$1,806,509	\$2,069,466	\$2,231,491	\$2,367,649	\$2,518,262
9	Transfer to Renewals & Replacement Fund	0	0	141,316	255,324	150,487	113,802	111,726
10	Capital Funded from Rates	15,045,057	5,711,634	1,461,634	1,111,634	1,111,634	1,111,634	1,111,634
11	Operating Reserves - Deposits to/(Uses of)	0	0	0	0	0	0	0
12	Total Other Revenue Requirements	\$15,830,779	\$11,377,598	\$7,580,078	\$10,670,114	\$10,327,393	\$12,911,085	\$13,059,622
13	Gross Revenue Requirements	\$40,032,654	\$37,991,835	\$35,725,526	\$40,158,096	\$41,193,564	\$45,383,310	\$47,131,793
Less Income and Funds from Other Sources:								
14	Other Operating Revenue	\$1,071,477	\$1,104,948	\$1,129,216	\$1,152,413	\$1,176,293	\$1,201,084	\$1,226,725
15	Unrestricted Interest Income	63,000	41,000	36,000	41,000	46,000	50,000	52,000
16	Sub-total Income and Funds from Other Sources	\$1,134,477	\$1,145,948	\$1,165,216	\$1,193,413	\$1,222,293	\$1,251,084	\$1,278,725
17	Net Revenue Requirements	\$38,898,177	\$36,845,887	\$34,560,310	\$38,964,682	\$39,971,271	\$44,132,226	\$45,853,068
Revenue from Water and Wastewater Rates								
18	Existing Rate Revenue	\$25,773,620	\$26,107,999	\$27,054,088	\$27,132,530	\$27,143,804	\$27,462,041	\$27,615,435
19	Prior Year Rate Adjustments	0	0	5,487,400	9,146,900	11,969,700	14,559,400	16,858,600
Total Rate Revenue Before Current								
20	Year Adjustment	\$25,773,620	\$26,107,999	\$32,541,488	\$36,279,430	\$39,113,504	\$42,021,441	\$44,474,035
21	Total Revenue from Current Year Adjustments	\$0	\$5,289,121	\$3,633,682	\$2,817,832	\$2,423,680	\$2,206,126	\$1,667,776
22	Total Revenue from Rates	\$25,773,620	\$31,397,120	\$36,175,171	\$39,097,262	\$41,537,185	\$44,227,567	\$46,141,812
23	Combined Rate Adjustment	0.00%	20.26%	11.17%	7.77%	6.20%	5.25%	3.75%
24	Projected Surplus/(Deficiency)	(\$13,124,557)	(\$5,448,767)	\$1,614,861	\$132,580	\$1,565,914	\$95,341	\$288,743
25	Surplus/(Deficiency) - Percent of Rate Revenues	(50.92%)	(17.35%)	4.46%	0.34%	3.77%	0.22%	0.63%
<u>Proposed Annual Rate and Bill Increases (System-wide)</u>								
Description		Fiscal Year Ending September 30,						
		2022	2023	2024	2025	2026	2027	2028
26	Water System (Includes Indexing Provision)	0.0%	40.0%	17.0%	10.0%	7.0%	5.3%	3.8%
27	Effective Month	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.
28	Wastewater System (Includes Indexing Provision)	0.0%	5.3%	5.3%	5.3%	5.3%	5.3%	3.8%
29	Effective Month	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.
<u>Projected Year-End Cash Balances</u>								
Description		Projected Fiscal Year Ending September 30,						
		2022	2023	2024	2025	2026	2027	2028
30	Operating Fund	\$13,007,860	\$7,769,093	\$9,593,954	\$9,936,534	\$11,712,448	\$12,017,789	\$12,516,532
31	Reserve for Equipment	570,532	570,532	570,532	570,532	570,532	570,532	570,532
32	Customer Deposits	1,631,633	1,631,633	1,631,633	1,631,633	1,631,633	1,631,633	1,631,633
33	Renewal & Replacement Fund	3,872,696	3,512,696	3,444,012	3,489,336	3,429,823	3,333,625	3,235,351
34	Future Construction Fund	48,391,616	19,669,727	0	27,580,600	0	11,314,000	0
35	Impact Fee Fund	1,896,232	2,920,327	6,129,132	6,380,595	6,430,232	7,408,022	7,902,432
36	Total Year-end Cash & Investments	\$69,370,569	\$36,074,008	\$21,369,263	\$49,589,229	\$23,774,668	\$36,275,600	\$25,856,480
37	Unrestricted Cash Days of Revenue - Minimum Target	120	120	120	120	120	120	120
38	Unrestricted Cash Days of Revenue - Calculated	247	138	137	131	138	131	129
39	Operating Fund Cash Days of Revenue - Calculated	184	90	97	93	103	99	99

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,						
		2022	2023	2024	2025	2026	2027	2028
<u>Projected Debt Service Coverage</u>								
<u>All-In Debt Service Coverage</u>								
40	Coverage - Calculated	344.42%	142.32%	220.47%	149.34%	174.04%	139.58%	143.25%
41	Coverage - Minimum Target	150.00%	150.00%	150.00%	150.00%	150.00%	150.00%	150.00%
<u>Senior Lien Debt Service Coverage</u>								
42	Coverage - Calculated	408.54%	150.10%	232.51%	153.94%	179.72%	142.90%	146.65%
43	Coverage - Minimum Target	115.00%	115.00%	115.00%	115.00%	115.00%	115.00%	115.00%
<u>Subordinate Lien Debt Service Coverage - General</u>								
44	Coverage - Calculated	1576.85%	641.81%	2151.33%	1264.91%	1982.70%	1175.46%	1333.76%
45	Coverage - Minimum Target	115.00%	115.00%	115.00%	115.00%	115.00%	115.00%	115.00%

Footnotes:

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

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**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]						
			2022	2023	2024	2025	2026	2027	2028
OPERATING FUND		(U)							
1	Beginning Balance		\$21,241,339	\$7,384,761	\$2,741,393	\$4,753,727	\$5,175,431	\$6,829,488	\$6,784,814
2	Transfers In - Rate Revenues		11,134,533	15,786,566	19,170,617	21,146,912	22,636,390	24,096,283	25,138,059
3	Transfers In - Reserve for Equipment		0	0	0	0	0	0	0
4	Transfers In - Payments from Wastewater		0	0	0	0	0	0	0
5	Transfers Out - Net Revenue Requirements		24,991,111	20,429,934	17,158,284	20,725,208	20,982,333	24,140,957	24,877,052
6	Transfers Out - Capital Improvements		0	0	0	0	0	0	0
7	Transfers Out - Reserve for Equipment		0	0	0	0	0	0	0
8	End of Year Transfers In (Out)		0	0	0	0	0	0	0
9	Interest Rate		0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
10	Interest Income		36,000	13,000	9,000	12,000	15,000	17,000	17,000
	Recognition of Interest Earnings								
	in Revenue Requirements		36,000	13,000	9,000	12,000	15,000	17,000	17,000
12	Ending Balance		\$7,384,761	\$2,741,393	\$4,753,727	\$5,175,431	\$6,829,488	\$6,784,814	\$7,045,821
13	Percent Allocable to Water System		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
14	Amount Allocable to Water System		\$36,000	\$13,000	\$9,000	\$12,000	\$15,000	\$17,000	\$17,000
15	Amount Allocable to Wastewater System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
RESERVE FOR EQUIPMENT		(U)							
16	Beginning Balance		\$381,539	\$381,539	\$381,539	\$381,539	\$381,539	\$381,539	\$381,539
17	Transfers In		0	0	0	0	0	0	0
18	Transfers Out		0	0	0	0	0	0	0
19	Interest Rate		0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
20	Interest Income		1,000	1,000	1,000	1,000	1,000	1,000	1,000
	Recognition of Interest Earnings								
	in Revenue Requirements		1,000	1,000	1,000	1,000	1,000	1,000	1,000
22	Ending Balance		\$381,539	\$381,539	\$381,539	\$381,539	\$381,539	\$381,539	\$381,539
23	Percent Allocable to Water System		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
24	Amount Allocable to Water System		\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
25	Amount Allocable to Wastewater System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
CUSTOMER DEPOSITS		(R)							
26	Beginning Balance		\$1,631,633	\$1,631,633	\$1,631,633	\$1,631,633	\$1,631,633	\$1,631,633	\$1,631,633
27	Transfers In		0	0	0	0	0	0	0
28	Transfers Out		0	0	0	0	0	0	0
29	Interest Rate		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
30	Interest Income		0	0	0	0	0	0	0
	Recognition of Interest Earnings								
	in Revenue Requirements		0	0	0	0	0	0	0
32	Ending Balance		\$1,631,633	\$1,631,633	\$1,631,633	\$1,631,633	\$1,631,633	\$1,631,633	\$1,631,633
33	Percent Allocable to Water System		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
34	Amount Allocable to Water System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
35	Amount Allocable to Wastewater System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
SINKING FUND		(U)							
Sinking Fund Deposit:									
36	Existing Debt		\$523,807	\$326,219	\$330,072	\$330,982	\$0	\$0	\$0
37	Proposed Debt		0	2,313,082	2,313,082	5,375,053	5,375,053	7,859,271	7,859,271
38	Average Balance		\$261,903	\$1,319,651	\$1,321,577	\$2,853,017	\$2,687,526	\$3,929,636	\$3,929,636
39	Interest Rate		0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
40	Interest Income		\$1,000	\$3,000	\$3,000	\$7,000	\$7,000	\$10,000	\$10,000
	Recognition of Interest Earnings								
	in Revenue Requirements		1,000	3,000	3,000	7,000	7,000	10,000	10,000
42	Percent Allocable to Water System		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
43	Amount Allocable to Water System		\$1,000	\$3,000	\$3,000	\$7,000	\$7,000	\$10,000	\$10,000
44	Amount Allocable to Wastewater System		\$0	\$0	\$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]						
			2022	2023	2024	2025	2026	2027	2028
RESERVE FOR RENEWAL & REPLACEMENT		(U)							
45	Beginning Balance		\$3,085,810	\$1,262,085	\$1,112,085	\$1,253,401	\$1,508,725	\$1,659,212	\$1,773,014
46	Transfers In		0	0	141,316	255,324	150,487	113,802	111,726
47	Transfers In - Other		0	0	0	0	0	0	0
48	Transfers Out - CIP		1,823,725	150,000	0	0	0	0	0
49	Interest Rate		0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
50	Interest Income		5,000	3,000	3,000	3,000	4,000	4,000	5,000
	Recognition of Interest Earnings in Revenue Requirements		5,000	3,000	3,000	3,000	4,000	4,000	5,000
52	Ending Balance		\$1,262,085	\$1,112,085	\$1,253,401	\$1,508,725	\$1,659,212	\$1,773,014	\$1,884,740
53	Percent Allocable to Water System		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
54	Amount Allocable to Water System		\$5,000	\$3,000	\$3,000	\$3,000	\$4,000	\$4,000	\$5,000
55	Amount Allocable to Wastewater System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
FUTURE CONSTRUCTION FUND		(R)							
56	Beginning Balance		\$0	\$31,479,224	\$12,795,352	\$0	\$27,580,600	\$0	\$11,314,000
57	Transfers In		34,609,078	0	0	43,064,100	0	32,895,600	0
58	Transfers Out		3,129,854	18,683,872	12,795,352	15,483,500	27,580,600	21,581,600	11,314,000
59	Interest Rate		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
60	Interest Income		0	0	0	0	0	0	0
	Recognition of Interest Earnings in Revenue Requirements		0	0	0	0	0	0	0
62	Ending Balance		\$31,479,224	\$12,795,352	\$0	\$27,580,600	\$0	\$11,314,000	\$0
63	Percent Allocable to Water System		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
64	Amount Allocable to Water System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
65	Amount Allocable to Wastewater System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
IMPACT FEES		(R)							
66	Beginning Balance		\$819,080	\$835,660	\$1,287,439	\$2,702,040	\$2,812,833	\$2,834,660	\$3,265,738
67	Transfers In		14,580	448,779	1,409,601	103,793	14,828	423,078	209,562
68	Transfers Out - CIP & Debt Service Payments		0	0	0	0	0	0	0
69	Interest Rate		0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
70	Interest Income		2,000	3,000	5,000	7,000	7,000	8,000	8,000
	Recognition of Interest Earnings in Revenue Requirements		0	0	0	0	0	0	0
72	Ending Balance		\$835,660	\$1,287,439	\$2,702,040	\$2,812,833	\$2,834,660	\$3,265,738	\$3,483,300
73	Percent Allocable to Water System		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
74	Amount Allocable to Water System		\$2,000	\$3,000	\$5,000	\$7,000	\$7,000	\$8,000	\$8,000
75	Amount Allocable to Wastewater System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
INTEREST INCOME									
Unrestricted									
76	Water System		\$43,000	\$20,000	\$16,000	\$23,000	\$27,000	\$32,000	\$33,000
77	Wastewater System		0	0	0	0	0	0	0
78	Total		\$43,000	\$20,000	\$16,000	\$23,000	\$27,000	\$32,000	\$33,000
Connection Fee Fund									
79	Water System		\$2,000	\$3,000	\$5,000	\$7,000	\$7,000	\$8,000	\$8,000
80	Wastewater System		0	0	0	0	0	0	0
81	Total		\$2,000	\$3,000	\$5,000	\$7,000	\$7,000	\$8,000	\$8,000
Construction Fund									
82	Water System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
83	Wastewater System		0	0	0	0	0	0	0
84	Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL INTEREST INCOME									
85	Water System		\$45,000	\$23,000	\$21,000	\$30,000	\$34,000	\$40,000	\$41,000
86	Wastewater System		0	0	0	0	0	0	0
87	Total		\$45,000	\$23,000	\$21,000	\$30,000	\$34,000	\$40,000	\$41,000

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 I-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]						
			2022	2023	2024	2025	2026	2027	2028
RESERVE FOR RENEWAL & REPLACEMENT		(U)							
46	Beginning Balance		\$3,287,818	\$2,610,611	\$2,400,611	\$2,190,611	\$1,980,611	\$1,770,611	\$1,560,611
47	Transfers In		0	0	0	0	0	0	0
48	Transfers In - Other		0	0	0	0	0	0	0
49	Transfers Out - CIP		677,207	0	0	0	0	0	0
50	Transfers Out - Operating		0	210,000	210,000	210,000	210,000	210,000	210,000
51	Interest Rate		0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
52	Interest Income		7,000	6,000	6,000	5,000	5,000	4,000	4,000
	Recognition of Interest Earnings								
53	in Revenue Requirements		7,000	6,000	6,000	5,000	5,000	4,000	4,000
54	Ending Balance		\$2,610,611	\$2,400,611	\$2,190,611	\$1,980,611	\$1,770,611	\$1,560,611	\$1,350,611
55	Percent Allocable to Water System		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
56	Amount Allocable to Water System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
57	Amount Allocable to Wastewater System		\$7,000	\$6,000	\$6,000	\$5,000	\$5,000	\$4,000	\$4,000
FUTURE CONSTRUCTION FUND		(R)							
58	Beginning Balance		\$0	\$16,912,392	\$6,874,375	\$0	\$0	\$0	\$0
59	Transfers In		18,593,924	0	0	0	0	0	0
60	Transfers Out		1,681,532	10,038,017	6,874,375	0	0	0	0
61	Interest Rate		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
62	Interest Income (3)		0	0	0	0	0	0	0
	Recognition of Interest Earnings								
63	in Revenue Requirements		0	0	0	0	0	0	0
64	Ending Balance		\$16,912,392	\$6,874,375	\$0	\$0	\$0	\$0	\$0
65	Percent Allocable to Water System		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
66	Amount Allocable to Water System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
67	Amount Allocable to Wastewater System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
IMPACT FEES		(R)							
68	Beginning Balance		\$1,039,076	\$1,060,572	\$1,632,888	\$3,427,092	\$3,567,762	\$3,595,572	\$4,142,284
69	Transfers In		18,497	569,316	1,788,204	131,670	18,810	536,712	265,848
70	Transfers Out - CIP & Debt Service Payments		0	0	0	0	0	0	0
71	Interest Rate		0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
72	Interest Income		3,000	3,000	6,000	9,000	9,000	10,000	11,000
	Recognition of Interest Earnings								
73	in Revenue Requirements		0	0	0	0	0	0	0
74	Ending Balance		\$1,060,572	\$1,632,888	\$3,427,092	\$3,567,762	\$3,595,572	\$4,142,284	\$4,419,132
75	Percent Allocable to Water System		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
76	Amount Allocable to Water System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
77	Amount Allocable to Wastewater System		\$3,000	\$3,000	\$6,000	\$9,000	\$9,000	\$10,000	\$11,000
INTEREST INCOME									
Unrestricted									
78	Water System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
79	Wastewater System		20,000	21,000	20,000	18,000	19,000	18,000	19,000
80	Total		\$20,000	\$21,000	\$20,000	\$18,000	\$19,000	\$18,000	\$19,000
Connection Fee Fund									
81	Water System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
82	Wastewater System		3,000	3,000	6,000	9,000	9,000	10,000	11,000
83	Total		\$3,000	\$3,000	\$6,000	\$9,000	\$9,000	\$10,000	\$11,000
Construction Fund									
84	Water System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
85	Wastewater System		0	0	0	0	0	0	0
86	Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL INTEREST INCOME									
87	Water System		\$0	\$0	\$0	\$0	\$0	\$0	\$0
88	Wastewater System		23,000	24,000	26,000	27,000	28,000	28,000	30,000
89	Total		\$23,000	\$24,000	\$26,000	\$27,000	\$28,000	\$28,000	\$30,000

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]						
		2022	2023	2024	2025	2026	2027	2028
<u>Other Lawful Sources and Uses of Funds</u>								
<u>Sources of Cash</u>								
41	Impact Fees used to Pay Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0
42	Uses of Reserves	0	0	0	0	0	0	0
43	Total Sources of Cash	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<u>Uses of cash</u>								
44	Intragovernmental Transfers	\$0	\$0	\$0	\$0	\$0	\$0	\$0
44	Payment In Lieu of Franchise Fees	0	1,500,000	1,806,509	2,069,466	2,231,491	2,367,649	2,518,262
45	Transfer to Renewals and Replacements Fund	0	0	141,316	255,324	150,487	113,802	111,726
46	Capital Funded from Rates	15,045,057	5,711,634	1,461,634	1,111,634	1,111,634	1,111,634	1,111,634
47	Deposits to Reserves	0	0	0	0	0	0	0
48	Total Uses of Cash	\$15,045,057	\$7,211,634	\$3,409,459	\$3,436,424	\$3,493,612	\$3,593,085	\$3,741,622
<u>Net Cash Flow</u>								
49	Net Revenues Available for Debt Service	\$2,706,222	\$5,928,831	\$9,194,939	\$10,802,694	\$11,893,307	\$13,006,425	\$13,348,365
50	Less Annual Debt Service Payments	(785,722)	(4,165,964)	(4,170,619)	(7,233,690)	(6,833,781)	(9,318,000)	(9,318,000)
51	Net Amount Available from Rates for Other Purposes	\$1,920,500	\$1,762,867	\$5,024,319	\$3,569,004	\$5,059,526	\$3,688,425	\$4,030,366
52	Plus Other Sources of Cash	\$0	\$0	\$0	\$0	\$0	\$0	\$0
53	Less Other Uses of Cash	(15,045,057)	(7,211,634)	(3,409,459)	(3,436,424)	(3,493,612)	(3,593,085)	(3,741,622)
54	Total Net Cash Flow - Increases to Cash (Decreases to Cash)	(\$13,124,557)	(\$5,448,767)	\$1,614,861	\$132,580	\$1,565,914	\$95,341	\$288,743

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 2022	\$ 21.59	\$ 23.91	\$ 26.41	\$ 27.66	\$ 35.81	\$ 48.56	\$ 74.06	\$ 143.81
2	Proposed Rates - Fiscal Year 2023	30.23	33.47	36.97	38.72	50.12	67.97	103.67	201.42
Other Florida Utilities:									
3	Broward County	\$ 17.91	\$ 21.17	\$ 25.76	\$ 28.72	\$ 59.80	\$ 99.24	\$ 183.84	\$ 395.34
4	City of Coconut Creek	17.33	25.91	36.05	41.90	74.75	128.66	265.21	626.21
5	Cooper City	13.47	20.15	26.83	30.17	49.47	73.92	130.52	291.27
6	City of Coral Springs	14.44	18.06	21.68	24.46	41.14	68.23	146.38	380.88
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	23.01	30.61	38.21	42.01	70.31	108.11	193.26	468.41
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	7.61	13.13	21.97	28.05	61.51	107.54	233.44	606.19
11	City of Hollywood	7.91	14.67	22.32	29.08	62.91	122.25	257.41	595.31
12	City of Lake Worth Beach	21.14	27.96	34.78	40.03	70.00	121.54	261.79	652.04
13	City of Lauderhill	12.23	15.91	19.59	22.41	41.51	72.19	138.99	305.99
14	City of Margate	12.58	20.10	27.62	31.38	53.94	77.44	133.94	298.44
15	City of Miramar	16.41	24.21	32.01	35.91	59.81	83.71	143.71	173.71
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	15.32	28.92	43.33	50.94	91.15	135.64	232.94	476.19
18	City of Pembroke Pines	18.45	18.45	25.62	32.79	68.64	104.49	176.19	355.44
19	City of Plantation	14.24	18.28	22.32	24.34	42.56	68.87	139.62	382.22
20	City of Pompano Beach	16.41	22.11	27.81	30.66	44.91	64.46	118.86	310.11
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	21.50	27.00	32.50	35.25	55.00	76.25	136.25	326.25
24	City of Wilton Manors	29.03	38.55	48.07	52.83	76.63	100.43	158.53	332.78
25	Other Neighboring Florida Utilities' Average	\$ 16.17	\$ 22.47	\$ 29.47	\$ 33.62	\$ 58.52	\$ 91.20	\$ 169.53	\$ 381.39
26	Minimum	7.61	13.13	19.44	21.80	38.40	64.21	105.31	173.71
27	Maximum	29.03	38.55	48.07	52.83	91.15	135.64	265.21	652.04

Footnotes:

[1] Unless otherwise noted, amounts shown reflect residential rates in effect May 2022 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 1-25
City of Hallandale Beach, Florida
Wastewater System

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 2022	\$ 21.02	\$ 29.60	\$ 38.50	\$ 42.95	\$ 66.15	\$ 91.90	\$ 143.40	\$ 278.90
2	Proposed Rates - Fiscal Year 2023	\$ 22.12	\$ 31.16	\$ 40.52	\$ 45.20	\$ 69.60	\$ 96.70	\$ 150.90	\$ 293.40
Other Florida Utilities:									
3	Broward County	\$ 21.20	\$ 29.94	\$ 38.68	\$ 43.05	\$ 64.90	\$ 86.75	\$ 86.75	\$ 86.75
4	City of Coconut Creek	12.99	19.57	27.55	32.24	55.69	55.69	55.69	55.69
5	Cooper City	29.14	35.18	41.22	44.24	59.34	59.34	59.34	59.34
6	City of Coral Springs	23.85	32.93	42.01	46.55	69.25	91.95	137.35	250.85
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	41.22	56.06	70.90	78.32	115.42	152.52	152.52	152.52
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	12.98	22.50	37.78	48.30	100.90	153.50	206.10	206.10
11	City of Hollywood	7.92	27.55	47.17	56.98	106.05	118.02	118.02	118.02
12	City of Lake Worth Beach	16.84	27.02	37.20	42.29	67.74	77.92	77.92	77.92
13	City of Lauderhill	19.60	27.46	35.32	39.25	58.90	78.55	117.85	216.10
14	City of Margate	31.94	31.94	31.94	31.94	31.94	31.94	31.94	31.94
15	City of Miramar	19.21	30.07	40.93	46.36	73.51	100.66	154.96	290.71
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	18.15	32.03	45.91	52.85	87.55	122.25	122.25	122.25
18	City of Pembroke Pines	23.61	23.61	30.78	37.95	73.80	109.65	181.35	360.60
19	City of Plantation	18.65	29.07	39.49	44.70	70.75	96.80	148.90	279.15
20	City of Pompano Beach	15.61	22.89	30.17	33.81	52.01	52.01	52.01	52.01
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	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44
24	City of Wilton Manors	12.85	30.59	48.33	57.20	101.55	145.90	145.90	145.90
25	Other Neighboring Florida Utilities' Average	\$ 20.75	\$ 29.81	\$ 39.52	\$ 44.70	\$ 70.59	\$ 90.50	\$ 110.31	\$ 153.38
	Minimum	7.92	16.40	21.82	23.44	23.44	23.44	23.44	23.44
	Maximum	41.22	56.06	70.90	78.32	115.42	153.50	208.02	394.52

[1] Unless otherwise noted, amounts shown reflect residential rates in effect May 2022 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 2022	\$ 42.61	\$ 53.51	\$ 64.91	\$ 70.61	\$ 101.96	\$ 140.46	\$ 217.46	\$ 422.71
2	Proposed Rates - Fiscal Year 2023	52.35	64.63	77.49	83.92	119.72	164.67	254.57	494.82
Other Florida Utilities:									
3	Broward County	\$ 39.11	\$ 51.11	\$ 64.44	\$ 71.77	\$ 124.70	\$ 185.99	\$ 270.59	\$ 482.09
4	City of Coconut Creek	30.32	45.48	63.60	74.14	130.44	184.35	320.90	681.90
5	Cooper City	42.61	55.33	68.05	74.41	108.81	133.26	189.86	350.61
6	City of Coral Springs	38.29	50.99	63.69	71.01	110.39	160.18	283.73	631.73
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	64.23	86.67	109.11	120.33	185.73	260.63	345.78	620.93
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	20.59	35.63	59.75	76.35	162.41	261.04	439.54	812.29
11	City of Hollywood	15.83	42.22	69.49	86.07	168.96	240.27	375.43	713.33
12	City of Lake Worth Beach	37.98	54.98	71.98	82.32	137.74	199.46	339.71	729.96
13	City of Lauderhill	31.83	43.37	54.91	61.66	100.41	150.74	256.84	522.09
14	City of Margate	44.52	52.04	59.56	63.32	85.88	109.38	165.88	330.38
15	City of Miramar	35.62	54.28	72.94	82.27	133.32	184.37	298.67	464.42
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	33.47	60.95	89.24	103.79	178.70	257.89	355.19	598.44
18	City of Pembroke Pines	42.06	42.06	56.40	70.74	142.44	214.14	357.54	716.04
19	City of Plantation	32.89	47.35	61.81	69.04	113.31	165.67	288.52	661.37
20	City of Pompano Beach	32.02	45.00	57.98	64.47	96.92	116.47	170.87	362.12
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	44.94	50.44	55.94	58.69	78.44	99.69	159.69	349.69
24	City of Wilton Manors	41.88	69.14	96.40	110.03	178.18	246.33	304.43	478.68
25	Other Neighboring Florida Utilities' Average	\$ 36.93	\$ 52.28	\$ 68.99	\$ 78.31	\$ 129.11	\$ 181.71	\$ 279.84	\$ 534.77
26	Minimum	15.83	35.63	47.42	52.78	78.44	99.69	148.81	249.56
27	Maximum	64.23	86.67	109.11	120.33	185.73	261.04	439.54	812.29

[1] Unless otherwise noted, amounts shown reflect residential rates in effect May 2022 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.

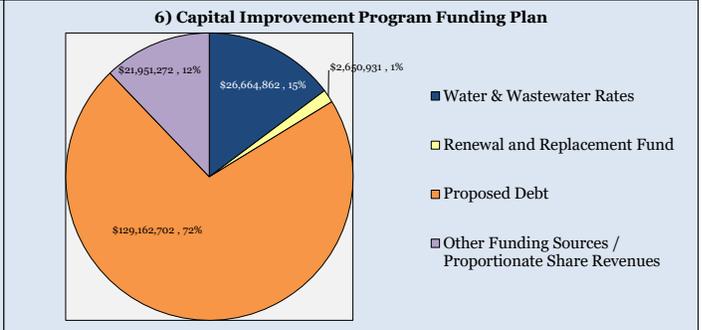
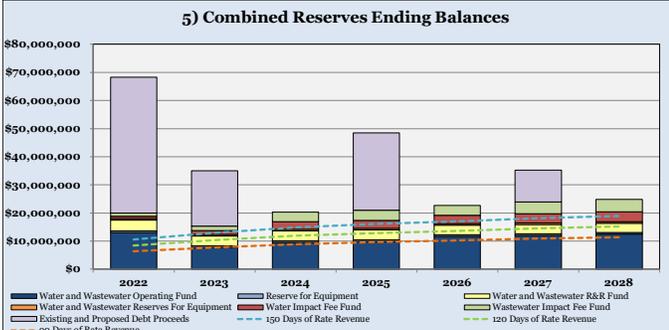
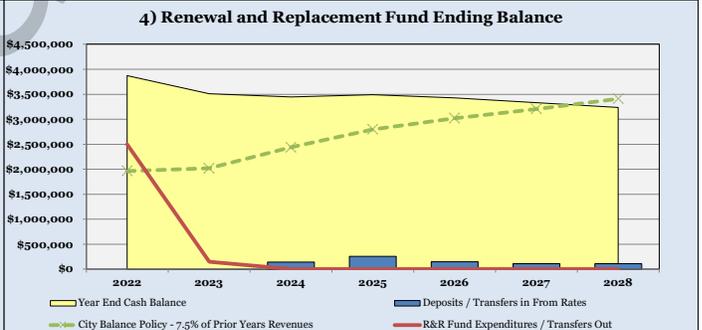
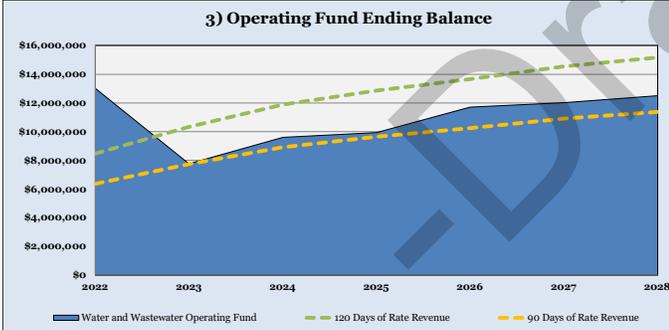
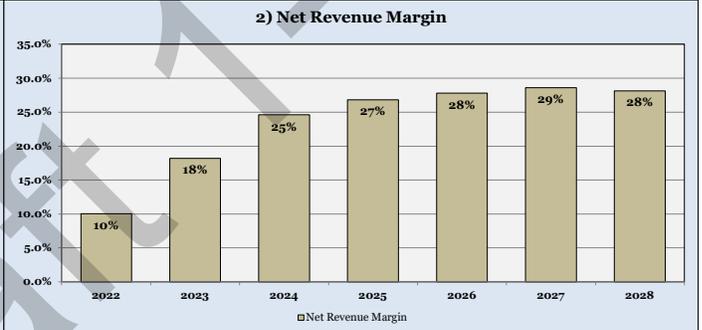
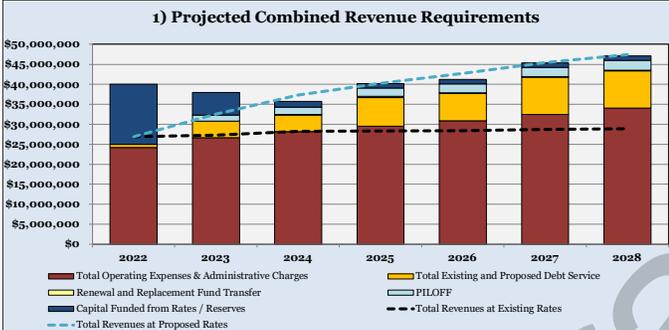
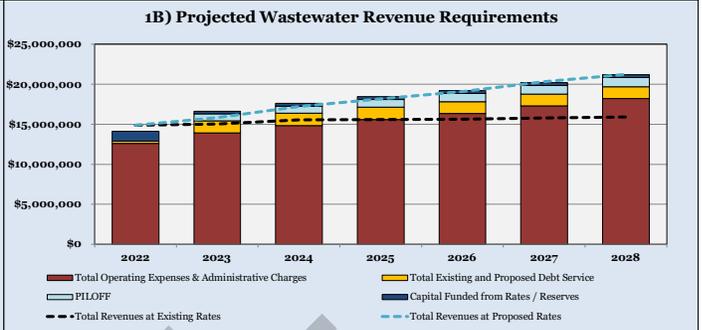
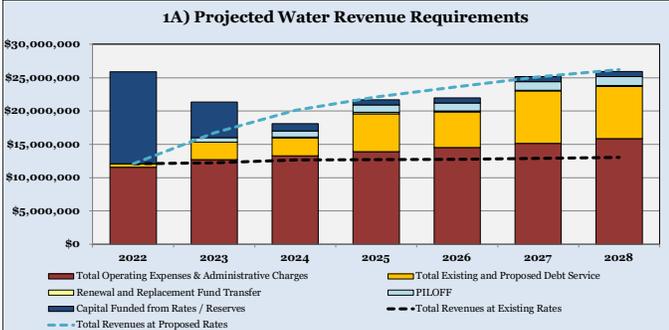


Appendix I
City of Hollandale Beach, Florida
Utility Rate Study



Water and Wastewater System Financial Dashboards and Performance Metrics

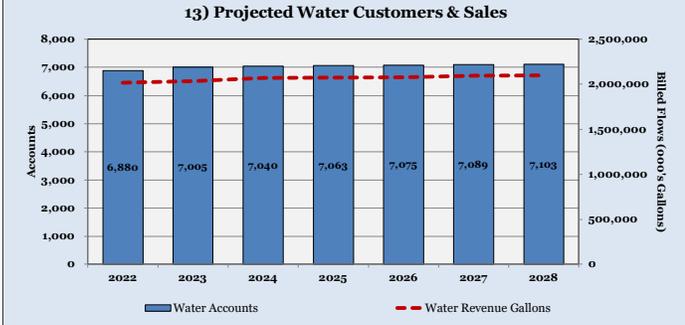
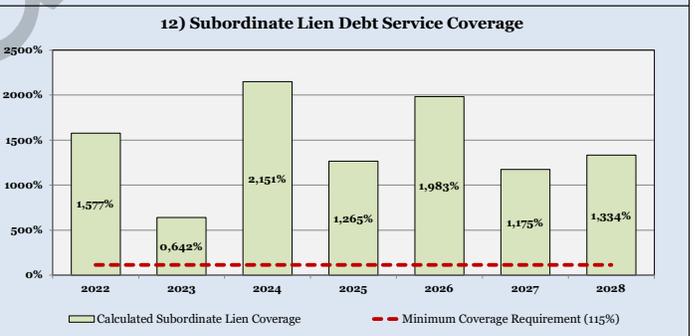
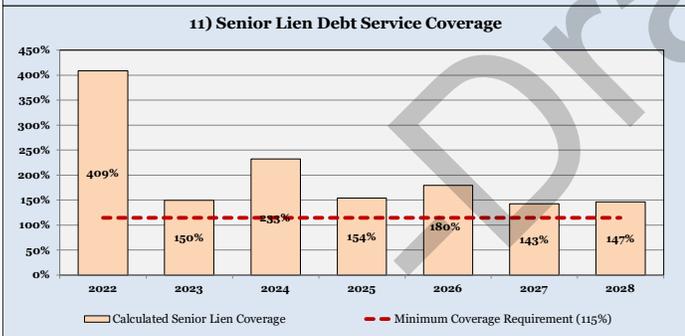
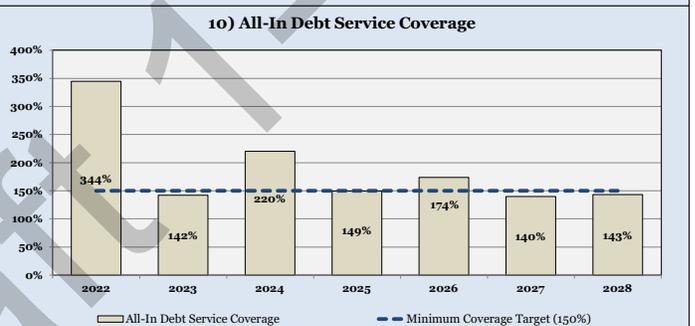
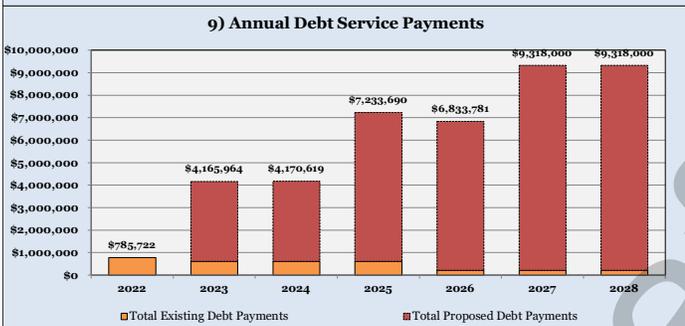
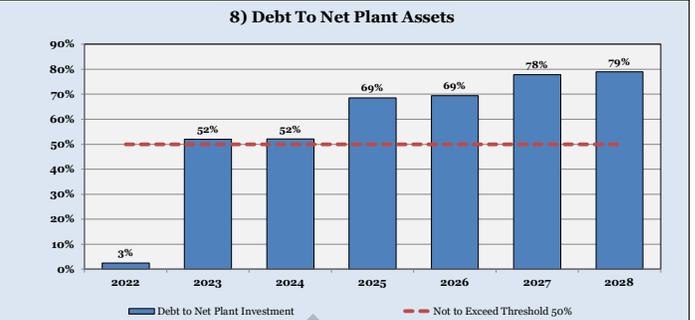
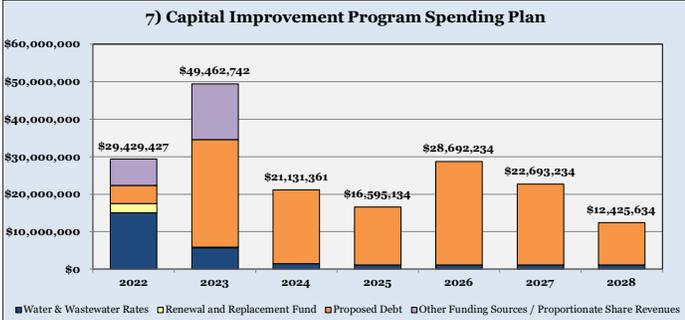
Description	Fiscal Year Ending September 30th,							Description	Fiscal Year Ending September 30th,						
	2022	2023	2024	2025	2026	2027	2028		2022	2023	2024	2025	2026	2027	2028
Recognized Revenue Adjustments:															
Water Revenue Adjustment	0.00%	40.00%	17.00%	10.00%	7.00%	5.25%	3.75%	Water Revenue Surplus / (Deficiency)	(\$13,856,578)	(\$4,643,368)	\$2,012,333	\$421,704	\$1,654,057	(\$44,674)	\$261,007
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Water Rate Revenues	-124.45%	-29.41%	10.50%	1.99%	7.31%	-0.19%	1.04%
Cumulative Rate Adjustment	0.00%	40.00%	63.80%	80.18%	92.79%	102.91%	110.52%	Wastewater Revenue Surplus / (Deficiency)	732,021	(805,399)	(397,473)	(289,124)	(88,143)	140,014	27,736
Wastewater Revenue Adjustment	0.00%	5.25%	5.25%	5.25%	5.25%	5.25%	3.75%	Percent of Wastewater Rate Revenues	5.00%	-5.16%	-2.34%	-1.61%	-0.47%	0.70%	0.13%
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Combined Revenue Surplus / (Deficiency)	(\$13,124,557)	(\$5,448,767)	\$1,614,861	\$132,580	\$1,565,914	\$95,341	\$288,743
Cumulative Rate Adjustment	0.00%	5.25%	10.78%	16.59%	22.71%	29.15%	34.00%	Percent of Rate Revenues	(50.92%)	(17.35%)	4.46%	0.34%	3.77%	0.22%	0.63%
Combined Revenue Adjustment								Estimated Average Residential Bill:							
Combined Rate Adjustment	0.00%	20.26%	11.17%	7.77%	6.20%	5.25%	3.75%	Average Water Bill @ 5,000 gal	\$27.66	\$38.72	\$45.30	\$49.83	\$53.32	\$56.12	\$58.22
Cumulative Combined Rate Adjustment	0.00%	20.26%	33.69%	44.07%	53.00%	61.03%	67.07%	Average Wastewater Bill @ 5,000 gal	\$2.95	\$4.20	\$4.57	\$5.07	\$5.20	\$5.47	\$5.55
								Average Combined Bill @ 5,000 gal	\$70.61	\$83.92	\$92.87	\$99.90	\$106.02	\$111.59	\$115.77
								Monthly Increase - Total	N/A	\$13.31	\$8.95	\$7.03	\$6.12	\$5.57	\$4.18





Water and Wastewater System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30th,							Description	Fiscal Year Ending September 30th,						
	2022	2023	2024	2025	2026	2027	2028		2022	2023	2024	2025	2026	2027	2028
Recognized Revenue Adjustments:								System Surplus / (Deficiency):							
Water Revenue Adjustment	0.00%	40.00%	17.00%	10.00%	7.00%	5.25%	3.75%	Water Revenue Surplus / (Deficiency)	(\$13,856,578)	(\$4,643,368)	\$2,012,333	\$421,704	\$1,654,057	(\$44,674)	\$261,007
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Water Rate Revenues	-124.45%	-29.41%	10.50%	1.99%	7.31%	-0.19%	1.04%
Cumulative Rate Adjustment	0.00%	40.00%	63.80%	80.18%	92.79%	102.91%	110.52%	Wastewater Revenue Surplus / (Deficiency)	732,021	(805,399)	(397,473)	(289,124)	(88,143)	140,014	27,736
Wastewater Revenue Adjustment	0.00%	5.25%	5.25%	5.25%	5.25%	5.25%	3.75%	Percent of Wastewater Rate Revenues	5.00%	-5.16%	-2.34%	-1.61%	-0.47%	0.70%	0.13%
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Combined Revenue Surplus / (Deficiency)	(\$13,124,557)	(\$5,448,767)	\$1,614,861	\$132,580	\$1,565,914	\$95,341	\$288,743
Cumulative Rate Adjustment	0.00%	5.25%	10.78%	16.59%	22.71%	29.15%	34.00%	Percent of Rate Revenues	(50.92%)	(17.35%)	4.46%	0.34%	3.77%	0.22%	0.63%
Combined Revenue Adjustment								Estimated Average Residential Bill:							
Combined Rate Adjustment	0.00%	20.26%	11.17%	7.77%	6.20%	5.25%	3.75%	Average Water Bill @ 5,000 gal	\$27.66	\$38.72	\$45.30	\$49.83	\$53.32	\$56.12	\$58.22
Cumulative Combined Rate Adjustment	0.00%	20.26%	33.69%	44.07%	53.00%	61.03%	67.07%	Average Wastewater Bill @ 5,000 gal	\$2.95	\$4.20	\$4.57	\$5.07	\$2.70	\$5.47	\$7.55
								Average Combined Bill @ 5,000 gal	\$70.61	\$83.92	\$92.87	\$99.90	\$106.02	\$111.59	\$115.77
								Monthly Increase - Total	N/A	\$13.31	\$8.95	\$7.03	\$6.12	\$5.57	\$4.18



SECTION 2:

Stormwater System

Draft 1



SECTION 2 – STORMWATER SYSTEM

Introduction

The City constructs, upgrades, maintains, and operates the stormwater system with the intent of preserving property and providing adequate drainage of rainwater. This section provides a summary of the costs associated with the operations and upkeep, as well as the upgrades, to the stormwater system and the associated rates to provide adequate funding. The (Forecast Period) ranges from FY 2023 through FY 2027 and provides funding for a significant amount of capital improvements and enhancements. The CIP provided extends beyond the Forecast Period and includes projects through FY 2029, for a total funding need of \$56,229,900 over the seven- (7) year period. In order to fully fund the CIP, the City will need to issue new loans, which are currently anticipated to be revenue bonds, in FY 2025 and FY 2027 for stormwater purposes. As outlined on the table below, stormwater rate adjustments are proposed to be phased-in over the next five (5) years in order to support fully funding the CIP as well as providing adequate net revenues each year to meet bond debt service coverage ratios and maintain targeted minimum reserve levels.

Stormwater Rate Adjustments

	Proposed Stormwater User Rate Adjustments, per ERU					
	2022 [*]	2023	2024	2025	2026	2027
Monthly Bill Increase	\$0.00	\$0.74	\$0.81	\$0.89	\$0.98	\$1.08
Monthly Stormwater Bill per ERU	\$7.37	\$8.11	\$8.92	\$9.81	\$10.79	\$11.87
Effective Date		Oct. 1 st				

[*] The City adopted and implemented a 3.0% rate increase for the water system, a 2.0% rate increase for the wastewater system effective October 1, 2021 (i.e., the start of Fiscal Year 2022). The proposed rate increases shown are for adjustments to follow those already implemented rate changes.

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 2023 through 2027.

Revenue Forecast

The City of Hallandale Beach has recently been experiencing low customer growth within its stormwater system; however, there are several identified redevelopment projects that will provide for increased densities and development of new impervious areas on existing properties that will lead to an increase in the number of equivalent residential units (“ERUs”). Per the City’s existing stormwater code, an ERU is equal to each residential unit including single family homes and each unit in a multi-family development. In addition, non-residential properties are assigned an impervious area factor in City Code Section 30-241 that are applied to the raw land area of each parcel to determine the stormwater ERUs. It should be noted that the City has begun reviewing the existing ERU basis and may be making adjustments that would take effect in Fiscal Year 2024.

Based on analyzing historical billing data for the prior five (5) fiscal years, along with considerations for the potential development activities in the City the following revenue forecast has been developed. The estimated revenues are slightly lower in FY 2022 and FY 2023 than prior years since the Broward County School Board is no longer being billed for stormwater services. The School Board hasn't been paying the stormwater fees for several years the City does not have the means to collect from them so there were large receivables building up that were written off in FY 2021. The City anticipates collecting around \$4.3 million to \$4.4 million and growing to \$4.5 million throughout the forecast prior to implementation of any rate adjustments. 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,				
	2023	2024	2025	2026	2027
Stormwater System	\$4,323,000	\$4,498,000	\$4,506,700	\$4,506,700	\$4,559,200

[*] Amounts derived from Table 2-1.

The City also derives other income, to a relatively small degree, 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 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, 2027.

Principal Assumptions and Considerations

The projected cash revenue requirements for the stormwater system are shown in Table 2-5 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 2023 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 2023 were projected for the remaining four (4) years of the Forecast Period (i.e., through Fiscal Year 2027) as illustrated in Table 2-2 at the end of this section. The following summarizes the general cost escalation factors used to project future expenses:

Summary of Operating Expense Escalation Expense [*]

Description	Projected Fiscal Year Ending September 30,			
	2024	2025	2026	2027
Inflation (CPI)	5.0%	2.3%	2.3%	2.4%
Personnel Services	5.0%	3.5%	3.5%	3.5%
Health Insurance	10.0%	10.0%	10.0%	10.0%
General Insurance	5.0%	5.0%	5.0%	5.0%
Repair and Maintenance	5.0%	5.0%	5.0%	5.0%
Utilities / Fuel	10.0%	7.0%	7.0%	7.0%
Professional / Contract Services	4.0%	4.0%	4.0%	4.0%

[*] Inflation figures in 2024 are based on recent trends and in FY 2025 – 2027 are based on projected changes in the CPI as represented in “*The Budget and Economic Outlook: An Update*” published by the Congressional Budget Office as of May 2022.

- The capital expenditures for the stormwater system are based on estimated project costs derived from the City’s stormwater master plan, which identifies necessary capital projects on the CIP, which also includes the current year (Fiscal Year 2023) through Fiscal Year 2027. The City also identified projects occurring in FY 2022. Table 2-3 at the end of this section provides a detailed listing of the planned stormwater capital projects during the Forecast Period.
- The following table summarizes the anticipated funding sources used to fund the CIP as derived from Table 2-3:

Summary of Capital Funding Sources [*]

Description	Amount	Percent
Operating Reserves	\$9,557,800	17.0%
Rate Revenue	2,513,900	4.5%
2025 Revenue Bond	16,104,400	28.6%
2027 Revenue Bond	28,053,800	49.9%
Total Funding Sources	\$56,229,900	100%

[*] Amounts derived from Table 2-3.

- In order to meet the funding needs of the capital plan, the City anticipates issuance of several future revenue bonds for the combination of funding water, wastewater, and stormwater improvements. Based on the timing of the improvements it is expected that the 2025 and 2027 loans will provide funding for stormwater improvements. With the current assumption of utilizing revenue bonds, the expected term is 30 years with an interest rate of 5.00% in 2025 and 5.50% in 2027. The table below illustrates the terms and debt service payments included in the forecast of revenue requirements:

Summary of Proposed Debt Service Obligations

Description	Projected Fiscal Year Ending September 30,		
	2025 Revenue Bond	2027 Revenue Bond	Total Proposed
Estimated Project Cost	\$16,104,400	28,053,800	\$44,158,200
Principal Amount	\$16,426,500	28,614,900	\$45,041,400
Loan Term	30	30	
Interest Rate	5.00%	5.50%	
Annual Debt Service Payment	\$1,068,600	1,968,900	\$3,037,500
First Year of Debt Service	2025	2027	

[*] Inflation figures in 2024 are based on recent trends and in FY 2025 – 2027 are based on projected changes in the CPI as represented in “*The Budget and Economic Outlook: An Update*” published by the Congressional Budget Office as of May 2022.

6. The stormwater system has debt requiring annual principal and interest payments of approximately \$206,000 per year, beyond 2022. The JP Morgan Chase Revenue Note 2012 matures in 2022 and the BB&T 2014 Refunding Loan for approximately \$206,000 per year, which matures in 2025. Near the time the existing debt is expected to mature, the City will be adding annual debt service from the new revenue bonds as discussed previously.
7. 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 150 days of the O&M expenses was established for the operating fund since the utility is capital-intensive and must be able to cover storm damage or emergency expenditures. The following tabulation, which is derived from Table 2-4 at the end of this section, summarizes the projected cash balances for each fiscal year of the Forecast Period based on implementing the annual rate adjustments as recommended herein:

Projected Year-Ending Cash Balances at Proposed Rates [*]

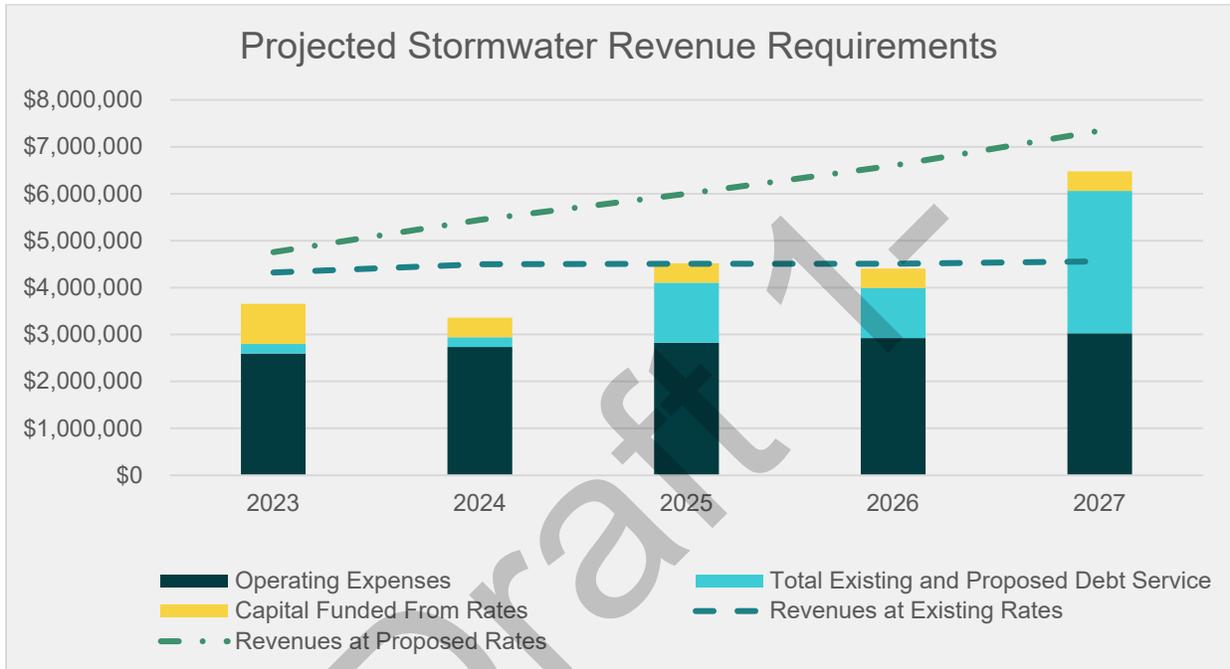
Description	Projected Fiscal Year Ending September 30,				
	2023	2024	2025	2026	2027
Operating Fund Balance	\$2,416,999	\$4,588,894	\$5,000,056	\$3,782,084	\$1,740,195
Operating Fund Calculated – Days of Annual Revenues	340	612	646	472	210
Target – Days of Annual Revenues	150	150	150	150	150

[*] Amounts derived from Table 2-4.

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Adequacy of Utility Rate Revenues

The projected net revenue requirements through Fiscal Year 2027 for the City’s stormwater system funded from user rates are summarized below, as derived from Table 2-5 at the end of this section. As shown by the dashed lines on the chart, the existing rates will not be sufficient once the 2025 and 2027 bonds are issued to meet all requirements including debt service coverage. Therefore, it is recommended the City implement the rate adjustments recommended in this report that will provide for adequate funds to complete capital improvements, maintain targeted operating fund balances, and meet all provisions of the debt covenants.



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. While the minimum required debt service coverage ratio is only 1.15 times net revenues, it is recommended the City target a minimum of 1.50 times. Based on the adoption of the proposed rate increases, the City is anticipated to be in compliance with the rate covenants as demonstrated below and in 2027 falls very slightly below the 1.50 target level, with expectations that this will improve in following years:

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Debt Service Compliance [*]

Description	Projected Fiscal Year Ending September 30,				
	2023	2024	2025	2026	2027
Net Revenue	\$2,256,882	\$2,805,367	\$3,282,503	\$3,790,928	\$4,429,911
Annual Debt Service	203,865	206,272	1,275,441	1,068,600	3,037,500
Annual Coverage Achieved	11.07	13.60	2.57	3.55	1.46
Coverage Targeted	1.50	1.50	1.50	1.50	1.50

[*] Amounts derived from Table 2-5.

Proposed Residential Stormwater Rates and Comparisons

In order to provide additional information regarding the proposed rate changes, a comparison of the City’s existing and proposed monthly rates per EDU have been compared with other jurisdictions. Table 2-6 at the end of this report provides a rate comparison that includes a number of utilities throughout Southeast Florida. It should be noted that funding of stormwater programs is not equal in all cities. Some cities use stormwater fees for the majority of the funding requirements related to stormwater improvements, whereas others may supplement stormwater programs with infrastructure funds or other funding sources and will have the appearance of lower stormwater rates.

Comparison of Residential Stormwater Rates [*]

Description	Monthly Amount	Annual Amount
Existing Rates	\$7.37	\$88.44
Proposed Rates – 2023	8.11	97.32
Increase / (Decrease)	0.74	8.88
Other Florida Utilities Average [*]	\$8.28	\$99.36

[*] Based on a survey of 21 other Florida systems as shown in Table 2-6.

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Table 2-1

**City of Hallandale Beach, FL
2022 Stormwater System Financial Forecast Update**

Summary of Projected Customer Statistics and Forecast of System Revenues

Line No	Description	Estimated	Projected Fiscal Year Ending September 30,				
		2022	2023	2024	2025	2026	2027
1	Utility Service Charge (Monthly) [1]	\$ 7.37	\$ 7.37	\$ 7.37	\$ 7.37	\$ 7.37	\$ 7.37
2	Residential Accounts	4,024	4,143	4,173	4,193	4,193	4,193
3	Account Growth	-	119	30	20	-	-
4	Residential ERUs	4,823	4,942	4,972	4,992	4,992	4,992
5	ERU Growth	-	119	30	20	-	-
6	Average ERUs Per Account	1.20	1.20	1.20	1.20	1.20	1.20
7	Residential Revenue	\$426,500	\$437,100	\$439,700	\$441,500	\$441,500	\$441,500
8	Multi-Family Accounts	1,104	1,104	1,104	1,104	1,104	1,104
9	Account Growth	-	-	-	-	-	-
10	Multi-Family ERUs	23,012	23,262	23,611	23,689	23,689	24,102
11	ERU Growth	-	250	349	78	-	413
12	Average ERUs Per Account	20.84	20.84	20.84	20.84	20.84	20.84
13	Multi-Family Revenue	\$2,035,200	\$2,057,300	\$2,088,200	\$2,095,100	\$2,095,100	\$2,131,600
14	Commercial Accounts	460	460	460	460	460	460
15	Account Growth	-	-	-	-	-	-
16	Commercial ERUs	20,322	20,676	22,276	22,276	22,276	22,457
17	ERU Growth	-	354	1,600	-	-	181
18	Average ERUs Per Account	44.18	44.18	44.18	44.18	44.18	44.18
19	Commercial Revenue	\$1,797,300	\$1,828,600	\$1,970,100	\$1,970,100	\$1,970,100	\$1,986,100
Total System							
20	Accounts	5,588	5,707	5,737	5,757	5,757	5,757
21	Account Growth	-	119	30	20	-	-
22	ERUs	48,157	48,880	50,859	50,957	50,957	51,551
23	ERU Growth	-	723	1,979	98	-	594
24	Average ERUs Per Account	8.62	8.56	8.87	8.85	8.85	8.95
25	Projected Charges for Service Revenue	\$4,259,000	\$4,323,000	\$4,498,000	\$4,506,700	\$4,506,700	\$4,559,200

Table 2-2

City of Hallandale Beach, FL
2022 Stormwater System Financial Forecast Update

Projected Stormwater Operating Expenses

Object Code	Description	Expense Type	2023	2023	2023	Escal	2024	2025	2026	2027	2028
			Proposed	Adjustments	Adjusted		Factor	Projection	Projection	Projection	Projection
337361	PEMBROKE PK-I-95 LIFT STN		\$0	\$0	\$0	Infl	\$0	\$0	\$0	\$0	\$0
549971	BAD DEBT EXPENSE		0	0	0	Infl	0	0	0	0	0
343317	STORMWATER DRAINAGE FEE		4,400,000	(4,400,000)	0	Infl	0	0	0	0	0
343503	STORMWATER PENALTIES		60,000	0	60,000	Infl	63,000	64,449	65,931	67,514	69,134
349643	ADMIN CHG-WATER FUND		21,541	0	21,541	Infl	22,618	23,138	23,670	24,239	24,820
349645	ADMIN CHG-SEWER FUND		0	0	0	Infl	0	0	0	0	0
331350	CDBG PW YEAR		0	0	0	Infl	0	0	0	0	0
369990	MISCELLANEOUS REVENUE OTHER		0	0	0	Infl	0	0	0	0	0
361100	INTEREST INC-MAIN POOL		10,000	0	10,000	Infl	0	0	0	0	0
389100	APPR FRM UNAPPR SURPL-O&M		1,758,399	(1,758,399)	0	Infl	0	0	0	0	0
TOTAL OPERATING REVENUES			\$6,249,940	(\$6,158,399)	\$91,541		\$85,618	\$87,587	\$89,602	\$91,752	\$93,954
512000	REGULAR SALARIES & WAGES	S&RB	\$509,782	\$0	\$509,782	Labor	\$535,271	\$554,006	\$573,396	\$593,465	\$614,236
513000	OTHER SALARIES & WAGES	S&RB	0	0	0	Labor	0	0	0	0	0
514000	OVERTIME PAY	S&RB	70,000	0	70,000	Labor	73,500	76,073	78,735	81,491	84,343
515150	AUTO & TRAVEL ALLOWANCES	S&RB	480	0	480	Labor	504	522	540	559	578
515155	PHONE ALLOWANCE	S&RB	1,427	0	1,427	Labor	1,498	1,551	1,605	1,661	1,719
515200	SICK LEAVE BUYBACK	S&RB	0	0	0	Labor	0	0	0	0	0
515300	PAYOUTS-SICK LEAVE	S&RB	0	0	0	Labor	0	0	0	0	0
515350	PAYOUTS-VACATION PAY	S&RB	0	0	0	Labor	0	0	0	0	0
515500	SICK ACCRUAL EXPENSE	S&RB	0	0	0	Labor	0	0	0	0	0
515550	VACATION ACCRUAL EXPENSE	S&RB	0	0	0	Labor	0	0	0	0	0
521050	TAXES - SOCIAL SECURITY	S&RB	31,433	0	31,433	Labor	33,005	34,160	35,355	36,593	37,874
521100	TAXES - MEDICARE	S&RB	7,407	0	7,407	Labor	7,777	8,050	8,331	8,623	8,925
522150	PENSIONS - GENERAL EMPLOYEES	S&RB	98,007	0	98,007	Labor	102,907	106,509	110,237	114,095	118,089
522151	PENSIONS-GEN EMPLOYEES- GASB68	S&RB	0	0	0	Labor	0	0	0	0	0
522152	PENSION FRS GASB 68	S&RB	0	0	0	Labor	0	0	0	0	0
522200	PENSIONS - ICMA 401 (a)	S&RB	0	0	0	Labor	0	0	0	0	0
522201	PENSIONS - FRS	S&RB	39,260	0	39,260	Labor	41,223	42,666	44,159	45,705	47,304
522250	PENSIONS - OPEB	S&RB	8,977	0	8,977	Labor	9,426	9,756	10,097	10,451	10,816
522300	PENSIONS - 401(a) MATCH PGM	S&RB	7,419	0	7,419	Labor	7,790	8,063	8,345	8,637	8,939
522350	PENSIONS - RETIREMENT HEALTH	S&RB	0	0	0	Labor	0	0	0	0	0
523050	HEALTH INSURANCE	S&RB	142,467	0	142,467	Health	156,714	172,385	189,624	208,586	229,445
523100	DENTAL INSURANCE	S&RB	3,941	0	3,941	Health	4,335	4,769	5,245	5,770	6,347
523150	LIFE INSURANCE	S&RB	664	0	664	Ins	697	732	769	807	847
523200	LONG-TERM DISABILITY INSURANCE	S&RB	531	0	531	Ins	558	585	615	645	678
524000	WORKERS' COMPENSATION	S&RB	18,681	0	18,681	Labor	19,615	20,302	21,012	21,748	22,509
512000	REGULAR SALARIES & WAGES	S&RB	0	0	0	Labor	0	0	0	0	0
521050	TAXES - SOCIAL SECURITY	S&RB	0	0	0	Labor	0	0	0	0	0
521100	TAXES - MEDICARE	S&RB	0	0	0	Labor	0	0	0	0	0
522200	PENSIONS - ICMA 401 (a)	S&RB	0	0	0	Labor	0	0	0	0	0
523050	HEALTH INSURANCE	S&RB	0	0	0	Health	0	0	0	0	0

523100	DENTAL INSURANCE	S&RB	0	0	Health	0	0	0	0	0	
524000	WORKERS' COMPENSATION	S&RB	0	0	Labor	0	0	0	0	0	
549531	REPLACEMENT VEHICLES		818,874	(818,874)	Infl	0	0	0	0	0	
549532	OPERATION & MAINTENANCE		108,970	0	108,970	Repair	114,419	120,139	126,146	132,454	139,076
531010	CONSULTANTS/PROF SVCS	CoS&S	18,750	0	18,750	ProfSvc	19,500	20,280	21,091	21,935	22,812
532000	ACCOUNTING & AUDITING	CoS&S	3,168	0	3,168	Labor	3,326	3,443	3,563	3,688	3,817
534010	OUTSIDE SERVICES	CoS&S	534,000	0	534,000	Infl	560,700	573,596	586,789	600,872	615,293
541010	PHONE & COMMUNICATIONS	CoS&S	0	0	0	Infl	0	0	0	0	0
542000	POSTAGE AND FREIGHT	CoS&S	13,973	0	13,973	Infl	14,672	15,009	15,354	15,723	16,100
543010	ELECTRICITY	CoS&S	40,000	0	40,000	Infl	42,000	42,966	43,954	45,009	46,089
544010	UNIFORMS	CoS&S	2,105	0	2,105	Infl	2,210	2,261	2,313	2,369	2,425
544030	EQUIPMENT RENTAL		0	0	0	Infl	0	0	0	0	0
546040	EQUIPMENT REPAIRS	CoS&S	4,000	0	4,000	Repair	4,200	4,410	4,631	4,862	5,105
546050	COMPUTER HARDWARE MAINT	CoS&S	4,170	0	4,170	Repair	4,379	4,597	4,827	5,069	5,322
546080	INFRASTRUCTURE MAINTENANCE	CoS&S	0	0	0	Repair	0	0	0	0	0
546120	STORM DRAINS	CoS&S	105,760	0	105,760	Infl	111,048	113,602	116,215	119,004	121,860
547000	PRINTING AND BINDING	CoS&S	8,000	0	8,000	Infl	8,400	8,593	8,791	9,002	9,218
548010	ADVERTISING		0	0	0	Infl	0	0	0	0	0
549970	CONTINGENCIES	CoS&S	0	0	0	Infl	0	0	0	0	0
549990	WORKING RESERVES	CoS&S	696,541	(696,541)	0	Infl	0	0	0	0	0
552030	EQUIPMENT AND TOOLS	CoS&S	23,000	0	23,000	Infl	24,150	24,705	25,274	25,880	26,501
552080	TRAFFIC CONTROL\SIGNS	CoS&S	8,000	0	8,000	Infl	8,400	8,593	8,791	9,002	9,218
552140	DIESEL FUEL	CoS&S	33,864	0	33,864	Utility	37,250	39,858	42,648	45,633	48,828
552150	GASOLINE/ETHANOL	CoS&S	15,268	0	15,268	Utility	16,795	17,970	19,228	20,574	22,015
552170	COMPUTER EQUIP & SUPPLIES		0	0	0	Infl	0	0	0	0	0
552200	UNIFORMS/PROTECT. CLOTHING	CoS&S	2,470	0	2,470	Infl	2,594	2,653	2,714	2,779	2,846
552210	BUILDING MATERIALS/SUPPLIES		5,000	0	5,000	Infl	5,250	5,371	5,494	5,626	5,761
552230	CM PROJ/PGM SUPPLIES	CoS&S	0	0	0	Infl	0	0	0	0	0
552250	MACHINERY PARTS	CoS&S	9,100	0	9,100	Infl	9,555	9,775	10,000	10,240	10,485
552270	EMERGENCY PREP & RECOVERY	CoS&S	0	0	0	Infl	0	0	0	0	0
554030	MEMBERSHIP DUES	CoS&S	1,010	0	1,010	Infl	1,061	1,085	1,110	1,136	1,164
554040	INTERNET SUBSCRIPTIONS	CoS&S	882	0	882	Infl	926	947	969	992	1,016
555010	COMPUTER TRAINING	CoS&S	0	0	0	Infl	0	0	0	0	0
555020	MEETINGS AND SEMINARS	CoS&S	0	0	0	Infl	0	0	0	0	0
555040	GENERAL EMPLOYEE TRAINING	CoS&S	10,575	0	10,575	Infl	11,104	11,359	11,620	11,899	12,185
555060	LICENSE & CERTIFICATIONS	CoS&S	16,342	0	16,342	Infl	17,159	17,554	17,957	18,388	18,830
564010	AUTOMOBILES		0	0	0	Infl	0	0	0	0	0
564040	MACHINERY & EQUIPMENT	CoS&S	35,000	(35,000)	0	Infl	0	0	0	0	0
549001	ADMIN CHGS TO GENERAL FUND	CoS&S	244,754	0	244,754	Infl	256,992	262,903	268,949	275,404	282,014
549160	ADMIN CHGS TO TRANSPORT FD	CoS&S	474	0	474	Infl	498	509	521	533	546
549430	ADMIN CHGS TO WATER FUND	CoS&S	406,837	0	406,837	Infl	427,179	437,004	447,055	457,784	468,771
549530	ADMIN CHGS TO FLEET SERVICES	CoS&S	0	0	0	Infl	0	0	0	0	0
549890	INTERFUND TRANSF TO GEN LIAB	CoS&S	34,711	0	34,711	Infl	36,447	37,285	38,142	39,058	39,995
TOTAL OPERATING EXPENDITURES			\$4,146,074	(\$1,550,415)	\$2,595,659		\$2,735,031	\$2,826,594	\$2,922,213	\$3,023,751	\$3,129,942

565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	0	Constant	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	0	Constant	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	0	Constant	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	0	Constant	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	0	Constant	0	0	0	0	0

565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	Constant	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	Constant	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	Constant	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	Constant	0	0	0	0	0
565010	PRE-CONSTRUCTION (DESIGN)	CoS&S	1,900,000	(1,900,000)	Constant	0	0	0	0	0
565010	PRE-CONSTRUCTION (DESIGN)	CoS&S	0	0	Constant	0	0	0	0	0
565010	PRE-CONSTRUCTION (DESIGN)	CoS&S	0	0	Constant	0	0	0	0	0
565010	PRE-CONSTRUCTION (DESIGN)	CoS&S	0	0	Constant	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	Constant	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	Constant	0	0	0	0	0
531010	CONSULTANTS/PROF SVCS	CoS&S	0	0	ProfSvc	0	0	0	0	0
531010	CONSULTANTS/PROF SVCS	CoS&S	0	0	ProfSvc	0	0	0	0	0
534010	OUTSIDE SERVICES	CoS&S	0	0	Infl	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	Constant	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	Constant	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	Constant	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	Constant	0	0	0	0	0
565000	CONSTRUCTION IN PROGRESS	CoS&S	0	0	Constant	0	0	0	0	0
599000	CAPITAL OUTLAY RECLASS	CoS&S	0	0	Constant	0	0	0	0	0
559010	DEPRECIATION EXPENSE	Depr	0	0	Constant	0	0	0	0	0

TOTAL OPERATING (INCOME)/LOSS \$ 2,103,866

**Table 2-3
City of Hallandale Beach, FL
2022 Stormwater System Financial Forecast Update**

Projected Capital Improvement Program Funding Plan [1]

Line No.	Description	Escalator	Funding	Fiscal Year Ending September 30,								8-Year Total
				2022	2023	2024	2025	2026	2027	2028	2029	
Escalation Factors:												
1	Marginal	Marginal		0.00%	1.00%	2.01%	3.03%	4.06%	5.10%	6.15%	7.21%	
2	Engineering News Record Index	ENR		0.00%	3.00%	6.09%	9.27%	12.55%	15.93%	19.41%	22.99%	
3	Constant	None		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Stormwater System Capital Expenditures:												
4	Foster Road 60" Trunk Line - bonds	None	2025 Loan	\$0	\$0	\$0	\$1,566,000	\$1,720,000	\$2,220,000	\$0	\$0	\$5,506,000
5	Foster Road 60" Trunk Line - reserves	None	Op Res	0	0	0	0	3,500,000	3,000,000	0	0	6,500,000
6	N.W. 7th Avenue 48" Trunk Line	None	2027 Loan	0	0	0	0	0	0	4,140,000	4,140,000	8,280,000
7	N.W. 3rd Street 48" Trunk Line (2025)	None	Op Res	0	0	0	1,157,800	0	0	0	0	1,157,800
8	N.W. 3rd Street 48" Trunk Line (2028)	None	2027 Loan	0	0	0	0	0	0	3,859,200	3,859,200	7,718,400
9	Atlantic Shores Boulevard 96" Trunk Line	None	2025 Loan	0	0	0	10,598,400	0	0	0	0	10,598,400
10	S.W. 11th Avenue 48" Trunk Line	None	2027 Loan	0	0	0	0	0	3,924,700	3,924,700	0	7,849,400
11	Flap Gates-Three Islands	None	2027 Loan	0	0	0	0	0	0	993,500	993,500	1,987,000
12	Flap Gates- Golden Isles	None	2027 Loan	0	0	0	0	0	0	1,109,500	1,109,500	2,219,000
13	Retention Pond Rehabilitation	None	Op Res	75,000	1,900,000	0	0	0	0	0	0	1,975,000
14	Shaffer Canal Dredging and Banks Stabilization	None	Op Res	1,007,500	0	0	0	0	0	0	0	1,007,500
15	Stormwater Flap Gates - TideFlex Valves	None	Op Res	980,000	0	0	0	0	0	0	0	980,000
16	Ice Box Flooding	None	Op Res	300,000	0	0	0	0	0	0	0	300,000
17	Stormwater Master Plan	None	Op Res	500,000	0	0	0	0	0	0	0	500,000
18	Stormwater Flap Gates- Tide Flex Valves	None	Op Res	980,000	0	0	0	0	0	0	0	980,000
19	Replacement Vehicles	None	Rates	0	818,900	380,000	380,000	380,000	380,000	380,000	0	2,338,900
20	MACHINERY & EQUIPMENT	None	Rates	0	35,000	35,000	35,000	35,000	35,000	35,000	0	175,000
21	Total Stormwater System Capital Expenditures			\$3,842,500	\$2,753,900	\$415,000	\$13,737,200	\$5,635,000	\$9,559,700	\$14,026,900	\$10,102,200	\$60,072,400
<u>Funding Source Summary</u>												
22	Operating Reserves		Op Res	\$3,842,500	\$1,900,000	\$0	\$1,157,800	\$3,500,000	\$3,000,000	\$0	\$0	\$13,400,300
23	Stormwater Rate Revenue		Rates	0	853,900	415,000	415,000	415,000	415,000	0	0	\$2,513,900
24	Grant Funding		G	0	0	0	0	0	0	0	0	\$0
25	Matching Funding		M	0	0	0	0	0	0	0	0	\$0
26	2025 Revenue Bonds		2025 Loan	0	0	0	12,164,400	1,720,000	2,220,000	0	0	\$16,104,400
27	2027 Revenue Bonds		2027 Loan	0	0	0	0	0	3,924,700	14,026,900	10,102,200	\$28,053,800
28	Additional Loan		Add3	0	0	0	0	0	0	0	0	\$0
29	Additional Loan		Add4	0	0	0	0	0	0	0	0	\$0
30	Other Funding Sources (Gen. Fund etc.)		Unfunded	0	0	0	0	0	0	0	0	\$0
31	TOTAL CIP FUNDED			\$3,842,500	\$2,753,900	\$415,000	\$13,737,200	\$5,635,000	\$9,559,700	\$14,026,900	\$10,102,200	\$60,072,400

[1] Amounts as provided by City Staff.

Table 2-4
City of Hallandale Beach, FL
2022 Stormwater System Financial Forecast Update

Projected Fund Balances and Interest Income

Line No.	Description	Fiscal Year Ending September 30,					
		2022	2023	2024	2025	2026	2027
OPERATING/GENERAL REVENUE ACCOUNT							
1	Beginning Balance [1]	\$5,750,000	\$3,133,582	\$2,432,699	\$4,616,794	\$5,051,056	\$3,858,384
2	Transfer In/(Out) from Operations	1,226,082	1,199,117	2,184,094	1,592,062	2,307,328	977,411
3	Transfer for Capital Funding	(3,842,500)	(1,900,000)	0	(1,157,800)	(3,500,000)	(3,000,000)
4	Ending Balance	\$3,133,582	\$2,432,699	\$4,616,794	\$5,051,056	\$3,858,384	\$1,835,795
5	Target (150 days O&M)	\$1,200,000	\$1,100,000	\$1,100,000	\$1,200,000	\$1,200,000	\$1,200,000
6	Interest Rate	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
7	Interest Income	28,800	15,700	12,200	23,100	25,300	19,300

Footnotes:

[1] The available cash balance for Fiscal Year 2022 is based on cash balances provided by the City as of September 30, 2021.

Table 2-5

City of Hallandale Beach, FL
2022 Stormwater System Financial Forecast Update

Calculation of Projected System Revenue Requirements

Line No.	Description	2023	2024	2025	2026	2027
1	Operating Expenses	\$ 2,595,659	\$ 2,735,031	\$ 2,826,594	\$ 2,922,213	\$ 3,023,751
	Other Revenue Requirements					
2	Capital Funded from Rates	\$ 853,900	\$ 415,000	\$ 415,000	\$ 415,000	\$ 415,000
	Debt Service					
3	Revenue Note Series 2012	-	-	-	-	-
4	2014 Refunding Loan -2005A	203,865	206,272	206,841	-	-
5	Future Revenue Bonds	-	-	1,068,600	1,068,600	3,037,500
6	Total Other Revenue Requirements	\$ 1,057,765	\$ 621,272	\$ 1,690,441	\$ 1,483,600	\$ 3,452,500
7	Gross Revenue Requirements	\$ 3,653,424	\$ 3,356,304	\$ 4,517,036	\$ 4,405,813	\$ 6,476,251
	Less Income and Funds from Other Sources					
8	Other Operating Revenues	\$ 81,541	\$ 85,618	\$ 87,587	\$ 89,602	\$ 91,752
9	Interest Income	15,700	12,200	23,100	25,300	19,300
10	Net Revenue Requirements	\$ 3,556,183	\$ 3,258,486	\$ 4,406,348	\$ 4,290,912	\$ 6,365,199
	Revenue from Rates					
11	Stormwater Rate Revenues From Existing Rates	\$ 4,323,000	\$ 4,498,000	\$ 4,506,700	\$ 4,506,700	\$ 4,559,200
12	Prior Year Rate Adjustments	-	449,800	946,400	1,491,700	2,115,900
13	Total Applicable Rate Revenue	\$ 4,323,000	\$ 4,947,800	\$ 5,453,100	\$ 5,998,400	\$ 6,675,100
	Current Year Rate Adjustments					
14	Total Proposed Rate Adjustment	10.00%	10.00%	10.00%	10.00%	10.00%
15	Effective Months	12	12	12	12	12
16	% of Current Year Effective	100.00%	100.00%	100.00%	100.00%	100.00%
17	Total Revenue From Current Year Rate Adjustments	\$ 432,300	\$ 494,780	\$ 545,310	\$ 599,840	\$ 667,510
18	Total Revenue From Rates after Adjustment	\$ 4,755,300	\$ 5,442,580	\$ 5,998,410	\$ 6,598,240	\$ 7,342,610
19	Proposed Revenue Surplus/ (Deficiency)	\$ 1,199,117	\$ 2,184,094	\$ 1,592,062	\$ 2,307,328	\$ 977,411
20	Percent of Rate Revenue	25.22%	40.13%	26.54%	34.97%	13.31%

Table 2-6

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 2022	\$7.37	\$88.44	958
2	Proposed Rates - Fiscal Year 2023	8.11	97.32	958
Other Florida Utilities:				
3	City of Coconut Creek	\$4.15	\$49.80	2,070
4	City of Cooper City	5.58	66.96	1,750
5	City of Coral Springs	9.93	119.16	4,489
6	City of Dania Beach	5.00	60.00	N/A
7	Town of Davie	N/A	N/A	N/A
8	City of Deerfield Beach	3.75	45.00	2,788
9	City of Fort Lauderdale	21.52	258.24	2,273
10	City of Hollywood	7.62	91.44	2,250
11	City of Lauderhill	19.99	239.88	3,800
12	City of Lauderdale Lakes	6.25	75.00	2,133
13	City of Margate	8.25	99.00	2,328
14	City of Miramar	8.50	102.00	3,619
15	City of North Lauderdale	6.00	72.00	2,138
16	City of Oakland Park [2]	7.00	84.00	1,507
17	City of Pembroke Pines	N/A	N/A	N/A
18	City of Plantation	2.50	30.00	4,489
19	City of Pompano Beach	5.52	66.24	2,880
20	City of Sunrise	9.17	110.04	1,884
21	City of Tamarac	11.86	142.27	1,830
22	City of Weston	N/A	N/A	N/A
23	City of Wilton Manors	6.46	77.52	3,460
24	Other Florida Utilities' Average	<u>\$8.28</u>	<u>\$99.36</u>	<u>2,688</u>

Footnotes:

- [1] Unless otherwise noted, amounts shown reflect residential rates in effect October 2021 and are exclusive of taxes or franchise fees, if any, and reflect rates charged for inside the city service. All rates are as reported by the respective utility. This comparison is intended to show comparable charges for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility.
- [2] Annual rate of \$84 is anticipated to increase to \$114, effective in October 2022.