

Greater New Haven
Water Pollution Control Authority

Cost of Service Study for Fiscal Year 2025

April 3, 2024



COST OF SERVICE STUDY FOR FISCAL YEAR 2025

Prepared for:

Greater New Haven Water Pollution Control
Authority

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ACRONYMS AND ABBREVIATIONS

CCF	One hundred cubic feet
CGS	Connecticut General Statutes
CSO	Combined sewer overflow
CWF	Clean Water Fund
FYxx	Fiscal year ended June 30, 20xx
GNHWPCA	Greater New Haven Water Pollution Control Authority
IFO	Interim Funding Obligation
MGD	Million gallons per day (flow volume)
MGH	Million gallons per hour (flow volume)
O&M	Operation and maintenance
PLO	Permanent Loan Obligation
RWA	South Central Connecticut Regional Water Authority

1 INTRODUCTION

1.1 Background

The Greater New Haven Water Pollution Control Authority (“GNHWPCA”) was created in 2005 to provide sewage collection and treatment service to customers in the City of New Haven and the Towns of Hamden, East Haven and Woodbridge (the “Constituent Municipalities”) and wholesale treatment service to the towns of North Haven and North Branford via interlocal agreements. Prior to creation of the GNHWPCA in 2005, the utility was owned and operated by the City of New Haven’s Water Pollution Control Authority.

The GNHWPCA is organized in accordance with Connecticut General Statutes (“CGS”) §§22a-500 to 519 inclusive (the “Act”). The purpose of the GNHWPCA is to further the environmental protection laws of the State of Connecticut and to gain efficiencies and economies of scale with respect to the planning, design, construction, management, operation and maintenance of the regional wastewater system. Since acquiring the utility, the GNHWPCA has been providing quality and affordable wastewater services to its customers.

The GNHWPCA was created to (a) operate the wastewater treatment plant and to (b) use, equip, re-equip, repair, maintain, supervise, manage, operate and perform any act pertinent to the collection, transportation, treatment and disposal of sewage with respect to the Constituent Municipalities. Currently, the daily flow at the treatment plant is approximately 30 million gallons per day (“MGD”). The treatment plant has an average daily design flow capacity of 40 MGD and currently provides primary and secondary treatment for all wastewater influent up to 60 MGD. During high flow events, all flow receives primary treatment; however, flow exceeding 60 MGD bypasses secondary treatment but receives disinfection along with the secondary effluent prior to discharge. The treatment plant provides the following unit processes: screening and grit removal, raw waste pumping, three primary clarifiers, four aeration trains, eight secondary clarifiers, gravity thickeners and chlorine disinfection prior to discharge. Thickened sludge is delivered to the on-site sewage sludge incinerator for processing.

The maintenance of the treatment plant and collection system is performed under contract by New Haven Residuals, LP (“Synagro”). Synagro is also responsible (under a separate agreement) for sludge receipt and disposal including operation and maintenance of the sludge incinerator at the East Shore Treatment Plant. The current terms of the contracts expire in September of 2029 and 2024 respectively.

1.2 Objective and Scope

In accordance with §42 of the GNHWPCA’s ordinance (the “Sewer Ordinance”) the Executive Director will ensure that a cost of service study is performed at least annually. The objective of the cost of service study is to produce a schedule of recommended user rates and charges for the customers of the GNHWPCA’s system which will be sufficient to meet the anticipated costs of operating the sanitary sewer system for the upcoming fiscal year.

The Cost of Service Study shall include:

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- A review and evaluation of the proposed expense budget for the upcoming fiscal year, and preparation of cost estimates for the succeeding four fiscal years based on the Executive Director's cost estimates.
- A review and evaluation of the proposed revenue budget for the upcoming fiscal year, and preparation of revenue estimates for the succeeding four fiscal years based on the Executive Director's revenue estimates.
- Determination of the projected revenue requirement from user rates for the upcoming fiscal year and the succeeding four fiscal years.
- Development of a schedule of recommended rates and charges sufficient to support the estimated annual revenue requirements from user rates for the upcoming fiscal year and the succeeding four fiscal years.
- Analysis of the GNHWPCA's historical collection rate, including the current fiscal year and the Executive Director's estimate of the collection rate for the upcoming fiscal year.
- Preparation of a report documenting recommendations, assumptions and methodology.
- Such other information as required by the Executive Director from time to time.

The Executive Director shall review the results and submit the cost of service study to the GNHWPCA Board of Directors on or before the third Monday in April.

1.3 Sewer Ordinance

The GNHWPCA's ordinance governs the operation, maintenance and expansion of the regional wastewater system. In order to guarantee consolidated operation, maintenance and expansion of the regional wastewater system by the GNHWPCA, the Sewer Ordinance also acted to repeal similar ordinances of the Constituent Municipalities which previously served to govern operation, maintenance and expansion of their individual wastewater systems. Material provisions of the Sewer Ordinance that affect this study are detailed in the sections which follow.

1.3.1 Assessment of Benefits; Benefit Charge

Pursuant to provisions contained in the Act, the GNHWPCA may levy and collect benefit assessments upon the lands and buildings within its jurisdiction, which, in its judgment, are especially benefited by a sanitary sewer, according to such rules as the GNHWPCA may adopt. No assessment shall be made until after a public hearing before the GNHWPCA, at which time the owner of the property to be assessed shall have an opportunity to be heard concerning the proposed assessment.

Assessments, including any installment thereof, are due and payable at such time as fixed by the GNHWPCA, provided no assessment shall become due until the work, or particular portion thereof for which such assessment was levied, has been completed. Any assessment of benefits, including any installment thereof, which is not paid within 30 days after the due date, is considered delinquent and will be subject to interest and will constitute a lien upon the property assessed and a charge upon the owner thereof.

1.3.2 Rates Established

Charges for sanitary sewer services furnished by the GNHWPCA for residential, commercial, industrial and institutional users are to be established and revised from time to time by the GNHWPCA. Sewer use charges are to reflect a proportional distribution of costs among all users in accordance with the Act, and Chapter 103 of the Connecticut General Statutes, as amended.

1.3.3 Rates for Property Located Outside the GNHWPCA's Service Territory

The charges to be made by the GNHWPCA for sewer service to property outside the limits of the GNHWPCA's service territory are to be established on the basis of a formal contract with the GNHWPCA, and billed directly to such customers.

1.3.4 No Reduced Rates or Free Service Permitted

All persons owning, renting, leasing or having management or control of property or premises that produce waste that is discharged into the regional wastewater system, including domestic waste, and subject to the provisions of the Sewer Ordinance, shall be charged the rates established by the GNHWPCA, and no reduced rates or free sanitary sewer services are to be furnished to any such person, property or premises.

1.3.5 Billing and Collection

Billing for sewer services is made to the GNHWPCA's customers monthly or quarterly. All sewer user charges are due and payable in full on receipt. Any charges not paid in full within 30 days of the billing date are considered delinquent and bear interest from the due date at the rate provided pursuant to CGS for delinquent property taxes.

1.3.6 Cost of Service Study; Proposed Rates

The Executive Director of the GNHWPCA is to ensure that a cost of service study is performed at least annually. The Executive Director reviews the results of the study and shall submit the study on or before the third Monday in April to the GNHWPCA Board of Directors for consideration and public hearing. If the Executive Director's recommendations as to the proposed rates and charges are not disapproved, or approved with modifications by the GNHWPCA Board of Directors by the first day of the next fiscal year, the Executive Director's recommended rates and charges will automatically become effective until such time as they are superseded by a renewal of the above procedure. Billings for services are to be rendered as the GNHWPCA determines. In the period intervening between cost of service studies, the GNHWPCA may amend user charges so long as such charges are based upon the anticipated cost of operating the system and such charges are presented to the general public at a public hearing in accordance with CGS.

2 GNHWPCA SYSTEM & CUSTOMERS

2.1 Regional System Profile

Wastewater treated by the GNHWPCA at the wastewater treatment plant is discharged into Long Island Sound and must meet both federal and state effluent quality standards. The GNHWPCA was organized to ensure the necessary professional technical and skilled personnel, specialized facilities and equipment, and financial resources are available to allow it to carry out its mission: “To provide reliable municipal wastewater services in compliance with applicable laws, in a cost efficient and effective method, and with the intent and desire to protect the environment and public health of the constituent municipalities.” Furthermore, its operations are expected to be financially self-sufficient.

The wastewater systems of the Constituent Municipalities include any device, equipment, appurtenance, plant facility and method for receiving, collecting, transporting, reducing, treating, reclaiming, disposing, separating or discharging sewage or the residue from the treatment of sewage. The wastewater systems may also include the purchase and/or lease of real estate and improvements thereto deemed necessary or desirable by the GNHWPCA for the purpose of establishing and providing wastewater management and water pollution control services.

Table 2-1 presents a brief summary of the wastewater systems of the GNHWPCA.

Table 2-1. Summary of GNHWPCA Wastewater System

Service Area	53,000 acres
Treatment Plant Capacity	40 mgd
Average Daily Flow	30 mgd
Pump Stations	30
Siphons	8
Sewer Collection System	556 miles
Combined Sanitary/Storm Sewers	50 miles
Manholes	14,300

Source: GNHWPCA management.

2.2 GNHWPCA Customer Base

The total number of sewer service connections (customers) is approximately 48,000 based upon information from the GNHWPCA’s customer billing system. According to 2022 Connecticut Department of Public Health data, the total population of the Constituent Municipalities was approximately 236,000. It is estimated that approximately 207,000 residents within the Constituent Municipalities currently receive

sewer service from the GNHWPCA. Through interlocal agreements between the GNHWPCA and the towns of North Branford and North Haven, an additional population of approximately 1,500 is served by the GNHWPCA. As illustrated in Table 2-2, the City of New Haven is the largest Constituent Municipality representing approximately 60 percent of the population served.

Table 2-2. Constituent Municipality Customers Served

<u>Municipality</u>	<u>Population Served</u>	<u>/----- Active Customer Accounts¹ -----/</u>				<u>Total</u>
		<u>Residential</u>	<u>Commercial</u>	<u>Industrial</u>	<u>Public Auth.</u>	
New Haven	130,000	20,721	2,012	72	188	22,993
Hamden	50,000	13,653	781	34	38	14,506
East Haven	26,000	9,962	283	7	23	10,275
Woodbridge	1,000	298	75	-	3	376
Total	207,000	44,634	3,151	113	252	48,150

(1) GNHWPCA Customer Information System (CIS) data as of February 2024.

The customer base served by the GNHWPCA consists of a diverse mix of residential and commercial customers. Customers are classified according to the nature of their use of water as well as their property ownership classification, since billing is conducted based on property ownership. Single and multifamily homes and apartment buildings are classified as “residential”, manufacturing enterprises in which water is used as part of the manufacturing process are classified as “industrial”, business and institutional enterprises other than those classified industrial are classified as “commercial” and municipal and other government agencies are classified as “public authority”. It is important to note that in some instances there is a discrepancy between the nature of the water use and the property classification. For example, the New Haven Housing Authority is a public authority responsible for numerous residential households. The GNHWPCA classifies this customer as a public authority.

2.3 Organization & Management

2.3.1 Governance

The business of the GNHWPCA is managed by or under the direction of a Board of Directors, which may exercise all such powers of the GNHWPCA and perform all such lawful acts and activities as are allowed by the Connecticut General Statutes, as amended, and by its bylaws and ordinances.

According to provisions of the Sewer Ordinance and Section 2.2 of its bylaws, the GNHWPCA is to be governed by a qualified Board of Directors, comprised as follows:

“The GNHWPCA has nine (9) Directors, each of whom shall have one vote. Four (4) Directors have been appointed from New Haven by the Mayor of New Haven, with the approval of the Board of Aldermen of New Haven. Two (2) Directors have been appointed from East Haven by the Mayor of East Haven, with the approval of the Town Council of East Haven. Two (2) Directors have been appointed from Hamden by the Mayor of Hamden, with the approval of the Town Council of

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Hamden. One Director has been appointed from Woodbridge by the First Selectman of Woodbridge, with the approval of the Board of Selectmen of Woodbridge.”

The Directors are appointed for three year staggered terms as outlined in detail in the bylaws and ordinance. In any single year, no more than four (4) Directors’ terms are scheduled to expire at one time, thereby designed to institutionalize a continuity of governance.

All business of the GNHWPCA is managed and directed by the Board of Directors, as allowed by CGS and the GNHWPCA’s bylaws.

The GNHWPCA’s bylaws may be revised by the affirmative vote of no less than two-thirds of the Directors in accordance with CGS §22a-501(a) (1), as amended. However, the bylaws provide that any amendment to include new constituent municipalities shall require a unanimous affirmative vote of the Board of Directors.

The current membership of the Board is as follows:

Table 2-3. Current Board of Directors

Name/Title	Appointed By	Term Expires
Kenneth Dagliere, Director	East Haven	12/31/24
Jeffrey D. Ginzberg, Director	Woodbridge	12/31/24
Elaine Braffman, Director	New Haven	12/31/24
Clayton M. Williams, Vice Chairman	New Haven	12/31/25
Joyce Alton, Director	New Haven	12/31/25
Stephen A. Mongillo, Chairman	Hamden	12/31/25
Russell N. Cyr, Director	Hamden	12/31/26
Salvatore E. DeCola, Director	New Haven	12/31/26
Raymond Pompano, Sr., Director	East Haven	12/31/26

According to its bylaws, a majority vote of the Directors is required to approve all business transactions of the GNHWPCA. Certain matters, such as entering into an agreement with respect to the distribution of rights and properties of the GNHWPCA upon the termination of its corporate existence, entering into or approving any sludge agreement, entering into any inter-local agreement, entering into any agreement with respect to the sale or lease of assets of the GNHWPCA which would leave the GNHWPCA without a significant continuing business activity, removal of a Director, awarding of a contract by negotiation without public bidding; amending, modifying, restating or replacing the Sewer Ordinance, and increasing the permitted processing capacity of the GNHWPCA’s treatment plant, each would require a 2/3rds vote of the Directors.

The Board establishes insurance, health care, retirement, and other employee benefits as it deems necessary and convenient for the effective administration of the GNHWPCA. Key management positions

are designed in each functional area under the major divisions of Executive Director, Finance and Administration, Engineering and Operations to address the operation, maintenance and management of the regional wastewater system by the GNHWPCA.

2.3.2 Management and Staff

The GNHWPCA is headed by an Executive Director, who is responsible for all technical and administrative operations of the GNHWPCA and the implementation of programs, policies and procedures at the direction of the Board. Key management staff members are as follows:

Sidney Holbrook, Executive Director. Mr. Holbrook is the Executive Director of the GNHWPCA. He has over 35 years of wastewater, environmental and public management experience. Mr. Holbrook has served as the Executive Director of the GNHWPCA since 2009. Prior to this position, he owned and operated the Monoflo Septic Tank Co., Inc. in Westbrook, Connecticut and was the principal of SJH Associates which provided Environmental Consulting Services. Mr. Holbrook also served as Governor John Rowland's Chief of Staff from 1997 to 2002, directly overseeing sixteen (16) State agencies including the Department of Environmental Protection, Department of Transportation, Department of Public Health and Department of Social Services. Prior to his tenure as Chief of Staff, Mr. Holbrook served as the Commissioner of the Department of Environmental Protection. On May 10, 2011, Mr. Holbrook was recognized by the National Association of Clean Water Agencies in Washington, D.C. with a Public Service Award for his dedication to Environmental Stewardship. As Executive Director, his responsibilities include managing and directing all administrative, operational and financial activities and programs of the GNHWPCA.

Gabriel Varca, CPA, Treasurer and Director of Finance and Administration. Mr. Varca is the Treasurer and Director of Finance and Administration for the GNHWPCA. For over 30 years, Mr. Varca has held various operations and management positions with the New Haven Water Pollution Control Authority ("NHWPCA") and the GNHWPCA. He assists the Executive Director in the creation of the operating budget and capital improvement plan budget and is responsible for the administrative and financial operations of the GNHWPCA including accounting, finance, billing and collections. Mr. Varca has a Class III Wastewater Operators License from the Connecticut Department of Environmental Protection and earned a B.S. in Accounting from Southern Connecticut State University.

Gary Zrelak, Director of Operations. Mr. Zrelak is the Director of Operations for the GNHWPCA. He has over 35 years of experience in wastewater operations. His responsibilities include supervising and managing the performance of the GNWPCA's water pollution control facilities, sanitary sewer collection systems and pumping stations within State and Federal regulations. Prior to his employment by the GNHWPCA, Mr. Zrelak was the Process Control Superintendent for the NHWPCA for more than seven years. Mr. Zrelak earned a B.S. in Agronomy, College of Agriculture, University of Connecticut and a M.S. Degree in Environmental Science from the University of New Haven. He also holds a Class IV Wastewater Operators License from the Connecticut Department of Environmental Protection and a Class IV Collection Systems License from the New England Water Pollution Control Association.

Thomas Sgroi, P.E., Director of Engineering. Mr. Sgroi is the Director of Engineering for the GNHWPCA. Mr. Sgroi has over 30 years of engineering and construction management experience. His responsibilities include completion of executive management work for the GNHWPCA's planning and engineering programs, which include design, construction, utility services, GIS, mapping, records

management and capital improvement projects. Mr. Sgroi earned a B.S. in Civil Engineering from the University of Hartford. He is also a Licensed Professional Engineer in the State of Connecticut.

An organization chart is included as Exhibit 7.

2.3.3 Contracted Services

2.3.3.1 Maintenance Services Agreement

The GNHWPCA executed a 15 year Maintenance Services Agreement with New Haven Residuals, LP (“Synagro”) dated September 30, 2013. The comprehensive agreement with Synagro provides for the maintenance of the East Shore Treatment Plant and pump stations. This agreement establishes performance and reporting requirements for the maintenance of the system, and requires the implementation of a maintenance management program to include preventive, predictive, and corrective maintenance for all components of the system.

The agreement provides for payment of a service fee to Synagro consisting of the following components:

- A fixed component of \$1,930,000 (2014 dollars, adjusted annually);
- Reimbursement for expenditures for maintenance, major repairs, capital projects and outside services up to a defined Project Expense Limit of \$1,100,000 (2014 dollars, adjusted annually). Amounts expended by Synagro in excess of the limit are paid by the GNHWPCA, subject to a markup; and
- 50% of the revenues collected by the GNHWPCA from the Fats, Oils and Greases (i.e., “FOG”) facility.

The GNHWPCA is responsible for all utility costs except for natural gas for the maintenance building.

2.3.3.2 Solids Handling Agreement

The GNHWPCA currently also contracts with Synagro for sludge receipt and disposal, including operation and maintenance of the sludge incinerator at the East Shore Treatment Plant under the terms of an agreement that amends and restates the original August 17, 1995 agreement. The September 2014 agreement has an initial term of 10 years and includes two five-year renewal options. The agreement provides for GNHWPCA payment of a service fee to Synagro per dry ton of sludge processed. Synagro, is responsible for reimbursing the GNHWPCA for the cost of all utilities, except water, associated with the specified services. The service fee per dry ton was fixed at the outset of the agreement, and is subject to annual adjustments for inflation.

Under the agreement, Synagro is allowed to solicit sludge from other entities (outside sludge) to maximize the efficiency of the on-site incinerator. Synagro is required to pay a royalty to a Sinking Fund for outside sludge processed. The current royalty is \$39.06 per dry ton. The GNHWPCA matches all such payments into the Sinking Fund with such combined contributions to be used for any capital projects. As of July 1, 2016 (first amendment), Synagro is responsible for any capital projects costing less than \$50,000, and the GNHWPCA is no longer required to contribute to the Sinking Fund. As of July

1, 2019 (second amendment), the service fee was renegotiated and will continue to be subject to annual adjustment. Additionally, the voluntary termination date was changed to September 14, 2024.

Individuals providing services under the maintenance and solids handling contracts are employees of Synagro, not the GNHWPCA. Synagro maintains 25 staff positions, 13 of which are dedicated wastewater treatment maintenance staff. Currently the staff of the GNHWPCA consists of 67 full- and part-time employees. An organization chart is included as Exhibit 7.

2.3.4 Powers of the GNHWPCA

The GNHWPCA has the power to set rates, bill customers and take appropriate action for collection of delinquent accounts. The GNHWPCA is a regional water pollution control authority formed in accordance with CGS §§22a-500 to 519, which provides powers of municipalities to the GNHWPCA. CGS §22a-501 sets forth in greater detail the powers of a regional water pollution control authority to set rates.

2.3.4.1 Cost Allocation

The goal of the GNHWPCA is to maintain a uniform blended rate for all Constituent Municipalities. This study is being conducted to develop a schedule of recommended sewer user rates sufficient to support the estimated cost of service to all users in the regional wastewater system.

2.3.4.2 Procedures for Establishing Rates and Charges

The GNHWPCA is empowered to establish and impose just and equitable fees, rates, charges, and penalties and levy assessments of property benefited by the wastewater system for any services it performs. The Board of Directors is responsible for approval of all fees, rates, charges and penalties. Rates are based on metered water flow use and billed directly to the user on a quarterly basis unless otherwise specified.

Rates are determined based on the proposed budget and the annual cost of service study, to be considered by the GNHWPCA and the general public and noticed in accordance with state statutes and applicable ordinances and by-laws.

Such charges are to reflect a proportional distribution of costs among all users in accordance with CGS §7-255, as amended from time to time, §204(b) of 33 USC, Section 1284(b) and the Act. No reduced rates or free service are to be permitted. Prior to the establishment of a fee, rate, charge, penalty or assessment, the Board of Directors must hold a public hearing at which all users of the wastewater system will have had an opportunity to be heard concerning any such proposed fee, rate, charge, penalty or assessment.

2.3.4.3 Budget Approval

In accordance with CGS §§22a-500 to 519, and the Sewer Ordinance, the GNHWPCA must ensure a cost of service study is conducted at least annually. The study is to be reviewed by the Executive Director and submitted each year with a schedule of recommended rates and charges for the next fiscal year. In the period intervening cost of service studies, the GNHWPCA is authorized to amend user

charges provided such charges are based upon the anticipated cost of operating the system and are presented at a public hearing, properly noticed.

The annual budget of the next fiscal year's projected revenue and expenditures and recommended sewer user charges are to be submitted to the Board of Directors and filed with the City/Town Clerks in the City of New Haven and Towns of East Haven, Hamden, and Woodbridge by the Executive Director on or before the third Monday in April and, within ten calendar days after such submission, are to be published once in a daily newspaper having circulation in the City of New Haven and Towns of East Haven, Hamden, and Woodbridge. After such publication, but no earlier than ten calendar days after public notice thereof, the GNHWPCA is to hold a public hearing on such projected revenue and expenditures and recommended sewer user charges and consider and act on such projected revenues and expenditures and recommended sewer user charges on or before the first Monday in June.

The Executive Director is required to submit one copy of the annual operating budget of the GNHWPCA to the State of Connecticut Office of Policy and Management by July 1st of each year or within thirty calendar days after the adoption of the budget, whichever is later (CGS §22a-502.). The budget and sewer use charge, if said charge is revised by the GNHWPCA, shall be filed with the City/Town Clerks and published in a daily newspaper having circulation in the City of New Haven and Towns of East Haven, Hamden, and Woodbridge no later than five calendar days after their filing.

2.3.5 Billing & Collection

All billing and collection is coordinated through the Customer Service Department of the GNHWPCA. The costs associated with the GNHWPCA's billing and collection activities and certain of its administrative and accounting costs are recovered through an administrative charge applied to each bill. The GNHWPCA estimates it will produce approximately 195,500 bills in FY25.

2.3.5.1 Billing Procedures

Customers of the GNHWPCA are classified according to the nature of their water consumption. All homes, dormitories and apartment buildings are classified as residential, all manufacturing enterprises in which water is used as part of the manufacturing process are classified as industrial, and all business and institutional enterprises other than those classified industrial are classified as commercial. Municipal and other public entities are classified as public authority. The wastewater customers are billed for wastewater services based on their metered water consumption, as determined by the South Central Connecticut Regional Water Authority ("RWA"). Residential customers' consumption is adjusted for seasonal use by dropping the highest quarter and replacing it with the average of the remaining three quarters.

In general, customers are billed on a quarterly basis. Approximately 370 (primarily large volume) customers are billed on a monthly basis. The billings to the approximately 23,000 customers in New Haven take place in July, October, January and April. The billings to the approximately 25,000 customers in East Haven, Hamden and Woodbridge take place in August, November, February and May.

Key provisions of the GNHWPCA's billing and collections policy include:

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- Bills not paid within 30 days from the billing date are subject to interest at a rate of 1.5 percent per month from the dated billed.
- A delinquent account is sent to a collection agency after the amount owed is \$90 or greater than 90 days old.
- When an account is sent for collection, the collection fee is added to the bill of the delinquent customer for reimbursement.
- Payments not received continue for further collection procedures under tax warrant or foreclosure proceedings.

The GNHWPCA implemented a Customer Account Portal in January 2015. The portal gives customers who enroll the ability to view account information including billing history and transaction history, and to receive their bills electronically. The portal also enhances online bill payment options. Now customers have the ability to pay their accounts online or by phone using echeck, or credit/debit cards. Another feature is the ability for customers to enroll in the “Auto Pay” option whereby payment will automatically be drawn from the specified account on file on the due date of the bill.

Customers still have the choice of paying by mail, in person (check only) or by using Checkfree payment services from Fiserv, Inc., which allows customers to pay their bills at several retail chains throughout the service area.

3 FINANCIAL MANAGEMENT

3.1 Introduction

In accordance with CGS §§55b-111 to 112, the GNHWPCA operates as a municipality for the purpose of compliance with auditing and finance requirements. The GNHWPCA can establish eligibility to apply for financing from the Clean Water Fund under the provisions of CGS §§22a-477 to 483. Clean Water Fund notes and tax-exempt revenue bond issues serve as the primary capital funding mechanism for the GNHWPCA. The notes and bonds are issued to fund capital improvements periodically, depending on the GNHWPCA's capital requirements. The issuance of the bonds is in accordance with the requirements and provisions of CGS §22a-507.

The Board of Directors has adopted revised and updated financial management policies. These policies formalize and codify many policies developed and adopted since the inception of the GHNWPCA. The policies address the following areas:

- Governance Philosophy;
- Budgeting and Capital Planning;
- Rate-Setting Policy;
- Financing Policies (Swaps, Term, Variable/Fixed, Useful Lives);
- Maintenance of Reserves;
- Debt Service Coverage and Pay-As-You-Go Capital Funding;
- Investment of Operating Funds and Cash Management; and
- Collection Practices

3.2 Rate Covenants

At its inception, the GNHWPCA issued \$91,290,000 in revenue bonds (Series 2005A) to purchase system assets, refund existing debt and fund reserves. The rate covenant entered into in conjunction with these bonds (and those issued subsequently), and the ability to raise rates are the primary factors that provide the GNHWPCA with credit strength. As is the case with most utility financing, the GNHWPCA has entered rate covenants requiring management to set rates for service that will generate net revenues sufficient to provide a defined minimum level of cash flow in excess of debt service requirements. The Indenture of Trust for the GNHWPCA's bonds (the "Indenture") requires debt service coverage of 115% (i.e., excess cash flows equal to 15% of debt service must be incorporated into sewer rates). In addition, rates must cover operating and maintenance expenses, and contributions to reserve funds for future system improvements, expansions, or replacements. Sufficient revenues, or reserves, should also be available for unexpected emergencies such as flood damage or sewer main breaks.

Pursuant to the Indenture, the GNHWPCA covenants that it will fix, charge and collect rates, charges, rents, fees and assessments, including but not limited to use and connection charges and benefit

COST OF SERVICE STUDY FOR FISCAL YEAR 2025

assessments, which will produce revenues which shall be sufficient in each fiscal year to provide for the following:

- A debt service coverage ratio of at least 115% of the debt service cash requirements;
- Any amount necessary to restore any account within a debt service reserve fund to its required deposit level; and
- Any amount necessary to restore any debt service reserve fund for parity indebtedness to its required deposit level.

For purposes of calculating debt service coverage pursuant to the Indenture, it is also necessary to incorporate reimbursements from the City of New Haven for its share of principal payments on Clean Water Fund (“CWF”) notes related to sewer-separation projects. The GNHWPCA has established a receivable for the total that will be reimbursed by the City.

Table 3-1 below details the debt service coverage provided for the years ended June 30, 2019 through 2023.

Table 3-1. Debt Service Coverage Calculation

	FY19	FY20	FY21	FY22	FY23
Cash Flows from User Charges					
Total operating revenues	\$ 44,849,754	\$ 45,361,337	\$ 46,111,474	\$ 45,930,010	\$ 47,994,856
Depreciation	9,693,951	10,121,450	10,346,112	10,555,727	10,870,995
Total operating expenses	(33,869,181)	(36,982,895)	(36,923,515)	(35,719,817)	(37,835,969)
Interest income	925,365	810,016	325,930	319,800	1,329,897
Reimbursement - New Haven CWF interest	133,073	117,718	139,484	123,037	104,990
Reimbursement - New Haven CWF principal	761,306	776,672	954,759	910,702	872,728
Net cash flows from user charges	22,494,268	20,204,298	20,954,244	22,119,459	23,337,497
Debt Service					
Principal payments on debt	7,960,803	8,145,059	9,391,393	9,349,637	9,450,851
Interest paid on debt	5,056,012	4,791,810	2,806,081	4,181,756	4,005,127
Total debt service payments	13,016,815	12,936,869	12,197,474	13,531,393	13,455,978
Debt service coverage ratio	1.73	1.56	1.72	1.63	1.73

Source: GNHWPCA audited financial statements.

The GNHWPCA has provided a covenant that each fiscal year, it will budget for rates, charges, rents, fees and assessments, including but not limited to use and connection charges and benefit assessments, which will produce revenues which, together with amounts capitalized from proceeds of bonds or otherwise made available and reserved and not already taken into account by reduction of the obligations which are to be paid from revenues and the amount to be withdrawn from a surplus fund other than to pay capital costs for such fiscal year, will be sufficient in each fiscal year to provide for an amount equal to 100% of the aggregate debt service for such fiscal year with respect to subordinated indebtedness. Currently there is no outstanding subordinate debt.

3.3 Reserve Accounts

A fully funded debt service reserve account provides an additional level of security for bondholders. When an unexpected budget shortfall occurs, the reserve fund will allow the GNHWPCA time to implement necessary adjustments before bondholders are adversely affected. The usual debt service reserve requirement is equal to the least of 125% of average annual debt service, 10% of aggregate bond debt service, or maximum annual debt service. A fully funded debt service reserve has an impact on the GNHWPCA's rating and may be essential for an investment grade rating. However, it is also understood that the debt service reserve is really a liquidity source and provides only limited additional security to bondholders.

Reserve accounts totaling approximately \$14.5 million were funded by the GNHWPCA's initial bond issuance. They included a General Fund (operating reserves and funds identified to meet debt service coverage requirements), Clean Water Fund Debt Service Reserves (50% of maximum aggregate annual debt service on CWF notes, now two months' debt service) and the Debt Service Reserve Fund (100% of maximum aggregate annual debt service on revenue bonds). For utilities that consistently maintain high operating reserves and sustain high debt service coverage levels, the debt service reserve fund may be less relevant.

The GNHWPCA has established a Dedicated Infrastructure Renewal Fund, which is used to accumulate reserves to fund ongoing capital projects in lieu of borrowing. This program is funded primarily from the annual cash flow generated by the debt service coverage requirement.

Consistent with prevailing credit rating criteria and its plan of operations, it is assumed that the GNHWPCA will consider the following factors when developing and managing its credit structure:

- **System Size and Assessment Base.** Since the GNHWPCA serves a diverse customer base already, it will seek expansion only when considered to be both operationally and financially appropriate.
- **Governance.** The GNHWPCA's operations are governed in accordance with its bylaws, which provides for the GNHWPCA to establish rates, manage staff, and approve capital improvements, among other responsibilities.
- **Strategic Focus.** The GNHWPCA considers multi-year capital improvement programs that include current and anticipated capital needs that cover asset maintenance, upgrades, and system expansions.
- **Rates, Rate Structure, and Rate Making Flexibility.** The GNHWPCA will evaluate whether rates and revenues cover all financial commitments, inclusive of reserves for emergencies, and whether they are reasonable and affordable, which could affect asset maintenance and expansion of the user base.
- **Additional Considerations.** The GNHWPCA is seeking to build reserve balances over time to establish reliable operating reserves and fund an appropriate share of the ongoing capital improvements from operating funds.

The GNHWPCA is intent on establishing the best credit rating it can attain in order to minimize the impact of borrowing costs. The GNHWPCA's most recent ratings/outlook are as follows:

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- Standard & Poor's – AA+/Stable (2020)
- Moody's – A1/None (2021)
- Fitch – AA/Stable (2023)

4 DETERMINATION OF RATES

4.1 Scope and Methodology

In providing adequate wastewater treatment services to its customers, the GNHWPCA must receive sufficient total revenue to ensure the following objectives:

- Meet legal and contractual requirements, including the terms of the Indenture;
- Maintain current service levels;
- Meet new demands for service;
- Adequately maintain the existing collection and treatment systems; and
- Plan for future needs in an orderly manner.

Regulations established by the U.S. Environmental Protection Agency and Connecticut Department of Energy & Environmental Protection require user fee systems for pollution abatement facilities to produce revenues sufficient to support the operations, maintenance and replacement of facilities. This is the key element in the determination of the rates to be charged to users, since it is intended that the operation of such facilities should be self-supporting. The State and Federal governments have mandated that the viability of such operations should not be compromised. Accordingly, sewer user rates should be set at levels sufficient to recover all costs necessary to finance adequate wastewater treatment and disposal.

4.2 Cost Projections and Determination of Revenue Requirement

The first step to developing appropriate rates is to determine the costs associated with planned future operations. Based on these cost projections and any projected miscellaneous revenues (other than those that will be generated from rates), an annual revenue requirement is established. This represents the amount that must be generated from sewer user charges.

For purposes of this study, the total cost estimates used for FY25 through FY29 were based upon the proposed operating budget for FY25, historical and anticipated trends, and a review of individual budget line-items. The average annual growth rate of costs was developed by management based upon projected needs and historical experience. We also considered those developments in the current year that may affect cost estimates on a significant scale going forward.

This cost of service study incorporates the following cost components:

4.2.1 Operations and Maintenance Costs

Operations and maintenance costs include all costs necessary to deliver wastewater collection and treatment services. It includes not only the technical operation of the plant facilities and collection system, but also the administrative resources employed to ensure efficient operations as well as fixed administrative resources employed to administer the GNHWPCA.

4.2.2 Debt Service

In recognizing costs, cash outlay is the determinant used for cost recovery in this report. Rather than using depreciation, the debt service requirement resulting from the acquisition and construction of assets is used. According to EPA guidelines on establishing cost recovery systems, as well as the Water Environment Federation's Manual of Practice No. 27: *Financing and Charges for Wastewater Systems* this is an acceptable method for recognizing costs for determining wastewater utility revenue requirements. Therefore, principal and interest payments are among the costs to be recovered by user fees. Exhibit 4 details the debt service costs for FY25 through FY29.

4.2.3 Estimated Future Debt Service

The cost estimates include a provision for estimated debt service associated with future bond issues to finance planned capital improvements. Based on the GNHWPCA's capital improvement plan for FY25 through FY29 (see Exhibit 6), we have estimated future debt service using the following assumptions:

- Management's assessment of the portion of costs to be financed by Clean Water Fund grants and notes.
- Management's assessment of the project costs that will be shared with the City of New Haven (i.e., 40% of each sewer separation project).
- Revenue bonds to be issued periodically, at a rate of 5% for 30 years, and amortization with level payments.
- Projects financed with Clean Water Fund notes are financed with an Interim Funding Obligation (IFO) until project completion. At completion, IFO's convert to Permanent Loan Obligations (PLO) with payment of 5% of principal outstanding and amortization of the remaining balance over 20 years at 2% with level payments. Interest accrued prior to conversion to PLO is assumed to be included in the amount borrowed under the IFO.
- For purposes of this study, based on management's capital improvement plan, we have assumed the timing and amount of future borrowings as follows:
 - No issuance of new revenue bonds.
 - CSO Projects – Shared with the City of New Haven
 - Amortization of a PLO of \$2,900,000 in July 2024 (Project 2017-1D: East Street Pump Station Design);
 - Amortization of a PLO of \$18,500,000 in June 2026 (Project 664-DC: Yale Campus/Trumbull Street Sewer Separation Phase 2 and Orchard Street Sewer Separation);
 - Amortization of a PLO of \$3,250,000 in December 2026 (Project 2024-1D: Wet Weather Odor Control Phase II); and
 - Amortization of a PLO of \$31,500,000 in June 2029 (Project 2017-1C: East Street Pump Station Construction).

- Non-CSO Projects
 - Amortization of a PLO of \$6,891,638 in September 2024 (Project 2016-6: East Haven I/I – Phase 3);
 - Amortization of a PLO of \$5,200,000 in April 2026 (Project 2019-02: Woodbridge I/I – Phase 3); and
 - Amortization of a PLO of \$13,120,000 in August 2027 (Project 2019-4C: Process Air Compressor).

4.2.4 Miscellaneous Revenues

Miscellaneous revenues (i.e., revenues from all sources other than sewer user charges) are deducted from the total cost of services to determine the net revenue requirement. Miscellaneous revenues for FY25 are based on management’s proposed budget. The average annual growth rate of revenues was determined by management based upon projected needs and historical experience.

4.2.5 Debt Service Coverage Requirement

As detailed in Section 3.2 of this report, the GNHWPCA is required under the Indenture of Trust for its revenue bonds to include a provision for additional revenues in its user charges equal to 15% of annual debt service. This provision does not apply, however, to the extent that management has identified and restricted existing reserves equal to all or part of this amount that are not otherwise restricted. Notwithstanding this exception, the GNHWPCA includes the full 15% requirement in its budget each year and provides for an offsetting use of reserves as applicable. For FY25, management has proposed user charges that provide additional revenues equal to 20% of annual debt service. We have followed the same approach for purposes of this study.

4.2.6 Use of Debt Service Reserve Funds

Maintenance of debt service reserve funds may increase or reduce the GNHWPCA’s revenue requirement in any given year. Management has planned funding and use of reserves FY25 through FY29, which has been incorporated into this study.

4.2.7 Receivable Management Costs

Receivable management costs are the estimated portion of billings to customers each year that are not collected during the period. The GNHWPCA implemented a new customer information system in 2010. Management has been able to utilize the CIS system to monitor billing and collections data on a monthly basis. The GNHWPCA’s one-year collection rate has been stable in recent years at approximately 89%. Write-offs are minimal due to GNHWPCA’s ability to place liens on real property, and the long-term collection rate on receivables remains above 95%.

4.3 Development and Design of Rates and Charges

4.3.1 Objectives

The primary objective in the recommendation of rates is to establish rates that will generate sufficient revenues to meet the total revenue requirements. Billing is based on water consumption using data provided by the RWA stated in 100 cubic foot units (“CCF’s”). For purposes of recommending a user rate for FY25, we have assumed billable consumption of 7,800,000 CCF based on management’s assessment of consumption trends.

4.3.2 Recommended Rate

As detailed further in Table 4-1, which follows, and in Exhibit 1, based upon our assessment of management’s budgeted revenues and expenses for FY25 and other assumptions detailed herein, we recommend a quarterly administrative fee of \$18.00 and a CCF rate of \$5.22 for FY25.

The administrative fee is designed to add stability to rate revenues, and correlate to fixed costs, it is reasonable to increase this charge periodically. Accordingly, we recommend maintaining the charge as proposed by management and detailed in Table 4-1 below.

Table 4-1. FY25 Recommended User Rate; FY26 through FY29 Projected Rates

<u>Fiscal Year</u>	<u>Estimated Consumption</u>	<u>Estimated No. of Bills</u>	<u>Admin Fee</u>	<u>CCF Rate</u>	<u>% Change in CCF Rate</u>	<u>Estimated Billings</u>
FY25	7,800,000	195,500	\$ 18.00	\$ 5.22	2.4%	\$ 44,118,000
FY26	7,800,000	195,500	18.00	5.46	4.6%	46,035,000
FY27	7,800,000	195,500	18.00	5.67	3.8%	47,672,000
FY28	7,800,000	195,500	18.00	5.98	5.5%	50,068,000
FY29	7,800,000	195,500	18.00	6.33	5.9%	52,772,000

4.3.3 Flat Rates for Well Users

The GNHWPCA currently has sewer customers who are not customers of the RWA (i.e., customers whose water supply is from wells), and therefore have no basis for sewer billing. We recommend that customers of the GNHWPCA, who are not customers of the RWA, continue to be billed on the basis used in previous years. The default consumption for a single family residence that is a well user is 24 CCF per quarter. Non-single family residences and other well users who appeal the default consumption are required to complete a survey that collects information about their dwellings and the inhabitants. The customer is billed a flat amount each quarter based on the survey results. Presently, there are well users who are billed at 15, 20, 24, 48 and 96 CCF’s. The current quarterly billing amount of \$140.40 (including the administrative fee) for a 24 CCF customer would increase to \$143.28 under the recommended rate structure for FY25.

4.3.4 Disclaimers

In preparation of this report and the conclusions contained herein, Arcadis and O'Neil Accounting and Consulting, LLC ("O'Neil"), have relied on assumptions and information provided by the GNHWPCA with respect to conditions which may exist or events which may occur in the future. We have not independently verified the accuracy of the information provided by the GNHWPCA and others. While we believe such sources are reliable and the information obtained to be accurate and appropriate for the analysis undertaken and the conclusions reached herein, as is often the case, there may be differences between actual and projected results, some of the estimates used in this report will not be realized, and unanticipated events and circumstances may occur. Therefore, there are likely to be differences between the data and results projected in this report and actual results achieved, and those differences may be material.

In the completion of this cost of service study for the GNHWPCA, Arcadis and O'Neil are (a) not recommending any action regarding municipal financial products or the issuance of municipal securities; (b) are not acting as a registered municipal advisor to the GNHWPCA and does not owe a fiduciary duty to the GNHWPCA pursuant to Section 15B of the Securities Exchange Act of 1934, as amended by the Dodd-Frank Wall Street Reform and Consumer Protection Act, with respect to the information and material contained in this report. The GNHWPCA should discuss any information and material prepared in connection with this report with any and all internal or external registered municipal advisors that it deems appropriate before acting on this information and material.

Arcadis' effort in the construction and preparation of this report is consistent with (i) the degree of care and skill ordinarily exercised by members of the same profession currently practicing under same or similar circumstances and (ii) the time and budget available for its work in its endeavor to ensure that the data contained in the report is accurate as of the date of its preparation. This analysis was based on estimates, assumptions and other information developed by Arcadis and O'Neill from their independent research efforts, general knowledge of the industry, and information provided by, and consultations with, the GNHWPCA and its agents, representatives, and consultants. Arcadis assumes no responsibility or liability for inaccuracies in reporting and data provided by the GNHWPCA and its agents, representatives and consultants, or in any third-party data source used in preparing or presenting this study.

Arcadis' and O'Neil's findings represent their respective professional judgment. Neither Arcadis, nor O'Neil, nor their respective parent corporations, or their respective subsidiaries and affiliates, makes any warranty, expressed or implied, with respect to any information or methods disclosed herein. No recipient of the report shall have any claim against Arcadis, its parent corporation, and/or its and their subsidiaries and affiliates, for any liability for direct, indirect, consequential, or special loss or damage arising out of its receipt and use of this document whether arising in contract, warranty (express or implied), tort or otherwise, and irrespective of fault, negligence and strict liability.

Any changes made to this Report, or any use of this document not specifically identified or otherwise expressly approved in writing by Arcadis, shall be at the sole risk of the party making such changes or adopting such use.

This report is qualified in its entirety by, and should be considered in light of, these limitations, conditions and considerations.

5 EXHIBITS

Exhibits 1 through 7 are found on Pages 5-2 through 5-9.

COST OF SERVICE STUDY FOR FISCAL YEAR 2025

Exhibit 1.

Revenue Requirement and Recommended User Rates

For the Fiscal Year Ended June 30, 2025

With Estimated Revenue Requirements and User Rates for Fiscal Years 2026 through 2029

Line No.	Description	1 FY25	2 % ch.	3 FY26	4 % ch.	5 FY27	6 % ch.	7 FY28	8 % ch.	9 FY29
A. OPERATIONS & MAINTENANCE										
1	Personnel	\$ 11,188,416	5%	\$ 11,790,000	5%	\$ 12,431,000	6%	\$ 13,121,000	6%	\$ 13,860,000
2	Utilities	5,573,930	2%	5,684,000	2%	5,796,000	2%	5,910,000	2%	6,026,000
3	Plant Operations & Collection System	1,200,000	3%	1,233,000	3%	1,267,000	3%	1,302,000	3%	1,338,000
4	Contracted Maintenance	2,310,858	3%	2,380,000	3%	2,451,000	3%	2,525,000	3%	2,601,000
5	Contracted Sludge & Ash Disposal	3,511,443	3%	3,617,000	3%	3,726,000	3%	3,838,000	3%	3,953,000
6	Other Contracted Services	5,520,721	3%	5,665,000	3%	5,813,000	3%	5,968,000	3%	6,127,000
7	Payments In-lieu of Taxes (PILOT)	750,000	0%	750,000	0%	750,000	0%	750,000	0%	750,000
8	Equipment, Vehicles & Supplies	1,574,681	3%	1,621,000	3%	1,668,000	3%	1,716,000	3%	1,765,000
9	Plant Repairs & Replacement	1,994,485	3%	2,054,000	3%	2,116,000	3%	2,179,000	3%	2,244,000
10	Contingency	500,000	0%	500,000	0%	500,000	0%	500,000	0%	500,000
11	Total Operations & Maintenance Costs	34,124,534	3%	35,294,000	3%	36,518,000	4%	37,809,000	4%	39,164,000
B. DEBT SERVICE										
Revenue Bonds:										
12	Principal	4,630,000	4%	4,835,000	5%	5,060,000	4%	5,280,000	4%	5,475,000
13	Interest	2,333,244	-9%	2,125,464	-10%	1,908,379	-12%	1,682,750	-12%	1,488,081
Clean Water Fund Notes:										
14	Principal	5,143,084	7%	5,502,775	-2%	5,413,251	20%	6,483,360	14%	7,421,789
15	Interest	1,077,134	9%	1,178,767	14%	1,345,050	17%	1,572,493	7%	1,679,787
16	Total Debt Service	13,183,461	3%	13,642,006	1%	13,726,680	9%	15,018,604	7%	16,064,657
17	TOTAL COST OF SERVICES	\$ 47,307,995	3%	\$ 48,936,006	3%	\$ 50,244,680	5%	\$ 52,827,604	5%	\$ 55,228,657
C. DEBT SERVICE COVERAGE										
18	Debt Service Coverage Requirement	2,637,000	3%	2,728,000	1%	2,745,000	9%	3,004,000	7%	3,213,000
19	Debt Service Coverage Ratio	1.20		1.20		1.20		1.20		1.20
D. MISCELLANEOUS REVENUES										
20	Interest & Lien Fees	(1,570,200)	0%	(1,570,200)	0%	(1,570,200)	0%	(1,570,200)	0%	(1,570,200)
21	Aged Accounts Receivable	(4,300,000)	0%	(4,300,000)	0%	(4,300,000)	0%	(4,300,000)	0%	(4,300,000)
22	Investment Income	(1,168,000)	-23%	(900,000)	0%	(900,000)	-17%	(750,000)	0%	(750,000)
23	High Strength Surcharges	(835,000)	0%	(835,000)	0%	(835,000)	0%	(835,000)	0%	(835,000)
24	Grease Disposal	(450,000)	0%	(450,000)	0%	(450,000)	0%	(450,000)	0%	(450,000)
25	Outside Sludge	(250,000)	0%	(250,000)	0%	(250,000)	0%	(250,000)	0%	(250,000)
26	Interlocal Fees	(233,000)	0%	(233,000)	0%	(233,000)	0%	(233,000)	0%	(233,000)
27	Reimbursements - Synagro	(750,000)	0%	(750,000)	0%	(750,000)	0%	(750,000)	0%	(750,000)
28	Other Revenues	(578,500)	0%	(578,500)	0%	(578,500)	0%	(578,500)	0%	(578,500)
29	Total Miscellaneous Revenues	(10,134,700)	-3%	(9,866,700)	0%	(9,866,700)	-2%	(9,716,700)	0%	(9,716,700)
E. CITY OF NEW HAVEN REIMBURSEMENT										
30	CSO CWF Principal	(703,634)	18%	(831,776)	-1%	(820,414)	-3%	(795,707)	81%	(1,439,690)
31	CSO CWF Interest	(106,219)	50%	(158,820)	51%	(239,352)	-7%	(223,091)	49%	(333,050)
32	Total City of New Haven Reimbursement	(809,853)	22%	(990,596)	7%	(1,059,765)	-4%	(1,018,798)	74%	(1,772,740)
F. TO/(FROM) DEBT SERVICE RESERVE SINKING FUND										
33	To/(From) Debt Service Res. Sinking Fund	-		(100,000)		100,000		(800,000)		(250,000)
34	NET REVENUE REQUIREMENT	\$ 39,000,442	4%	\$ 40,706,710	4%	\$ 42,163,215	5%	\$ 44,296,106	5%	\$ 46,702,217
G. RECEIVABLE MANAGEMENT COSTS										
35		5,117,551		5,328,438		5,508,456		5,772,072		6,069,456
36	Estimated collection rate	89%		89%		89%		89%		89%
37	REVENUE REQUIREMENT	\$ 44,117,993	4%	\$ 46,035,148	4%	\$ 47,671,671	5%	\$ 50,068,178	5%	\$ 52,771,673
H. RATE CALCULATION										
38	Elderly Credit	\$ (100,800)		\$ (100,800)		\$ (100,800)		\$ (100,800)		\$ (100,800)
39	Consumption	7,800,000		7,800,000		7,800,000		7,800,000		7,800,000
40	Number of bills	195,500		195,500		195,500		195,500		195,500
41	Administrative fee	\$ 18.00		\$ 18.00		\$ 18.00		\$ 18.00		\$ 18.00
42	CCF Rate	\$ 5.22		\$ 5.46		\$ 5.67		\$ 5.98		\$ 6.33
	Change from Prior Year	2.4%		4.6%		3.8%		5.5%		5.9%

Note - See Exhibit 2 for supporting calculations for Receivable Management Costs, Revenue Requirement and Debt Service Coverage amounts.

Exhibit 2.
Recommended User Rates - Supporting Calculations

For the Fiscal Year Ended June 30, 2025

1. RECEIVABLE MANAGEMENT CALCULATION

Net revenue requirement	\$ 39,000,442
Interest & lien fees	1,570,200
High strength surcharges	835,000
Customer revenue, net	\$ 41,405,642
Collection rate	89%
Customer revenue, gross	46,523,194
Receivable management cost	\$ 5,117,551

2. REVENUE REQUIREMENT

Total Cost of Services	\$ 47,307,995
Debt Service Coverage Requirement	2,637,000
Miscellaneous Revenues	(10,134,700)
New Haven Reimbursement	(809,853)
To/(From) DSR Sinking Fund	-
Receivable Management Cost	5,117,551
Revenue Requirement (from CCF Rate)	\$ 44,117,993

3. DEBT SERVICE COVERAGE CALCULATION

User fees	\$ 44,117,993
Miscellaneous Revenues	10,134,700
New Haven Reimbursement	809,853
(To)/From DSR Sinking Fund	-
Receivable management costs	(5,117,551)
Operations & Maintenance Costs	(34,124,534)
Net cash flow before debt service	\$ 15,820,461
Debt service	\$ 13,183,461
Coverage ratio	1.20

Budgeted Operations & Maintenance Expenses by Department

For the Fiscal Year Ended June 30, 2025
With Estimated Expenses for Fiscal Years 2026 through 2029

Line No.	Description	1 FY25	2 % ch.	3 FY26	4 % ch.	5 FY27	6 % ch.	7 FY28	8 % ch.	9 FY29
EXECUTIVE DIRECTOR										
1	Personnel	\$ 464,206	3%	\$ 476,000	3%	\$ 488,000	2%	\$ 500,000	2%	\$ 512,000
2	Other Contracted Services	916,546	3%	944,000	3%	973,000	3%	1,003,000	3%	1,034,000
3	Equipment, Vehicles & Supplies	97,870	3%	101,000	3%	104,000	3%	107,000	3%	110,000
4	Contingency	500,000	0%	500,000	0%	500,000	0%	500,000	0%	500,000
5	Total EXECUTIVE DIRECTOR	1,978,622	2%	2,021,000	2%	2,065,000	2%	2,110,000	2%	2,156,000
FINANCE & ADMINISTRATION										
6	Personnel	1,182,921	3%	1,222,000	3%	1,262,000	3%	1,303,000	3%	1,345,000
7	Utilities	4,800	4%	5,000	0%	5,000	0%	5,000	0%	5,000
8	Other Contracted Services	158,700	3%	164,000	3%	169,000	3%	174,000	3%	180,000
9	Equipment, Vehicles & Supplies	6,000	0%	6,000	0%	6,000	0%	6,000	0%	6,000
10	Total FINANCE & ADMINISTRATION	1,352,421	3%	1,397,000	3%	1,442,000	3%	1,488,000	3%	1,536,000
CUSTOMER SERVICE										
11	Personnel	890,864	3%	919,000	3%	949,000	3%	979,000	3%	1,011,000
12	Other Contracted Services	618,564	3%	637,000	3%	657,000	3%	677,000	3%	697,000
13	Equipment, Vehicles & Supplies	9,000	0%	9,000	0%	9,000	0%	9,000	0%	9,000
14	Total CUSTOMER SERVICE	1,518,428	3%	1,565,000	3%	1,615,000	3%	1,665,000	3%	1,717,000
EMPLOYEE BENEFITS										
15	Personnel	3,543,031	10%	3,897,000	10%	4,286,000	10%	4,715,000	10%	5,187,000
16	Other Contracted Services	80,200	3%	83,000	2%	85,000	4%	88,000	3%	91,000
17	Total EMPLOYEE BENEFITS	3,623,231	10%	3,980,000	10%	4,371,000	10%	4,803,000	10%	5,278,000
ENGINEERING										
18	Personnel	1,198,102	3%	1,238,000	3%	1,278,000	3%	1,319,000	3%	1,361,000
19	Utilities	6,000	0%	6,000	0%	6,000	0%	6,000	0%	6,000
20	Other Contracted Services	954,750	1%	961,000	1%	967,000	1%	973,000	1%	980,000
21	Equipment, Vehicles & Supplies	4,000	0%	4,000	0%	4,000	0%	4,000	0%	4,000
22	Total ENGINEERING	2,162,852	2%	2,209,000	2%	2,255,000	2%	2,302,000	2%	2,351,000
OPERATIONS										
23	Personnel	3,909,292	3%	4,038,000	3%	4,168,000	3%	4,305,000	3%	4,444,000
24	Utilities	5,475,630	2%	5,584,000	2%	5,694,000	2%	5,806,000	2%	5,920,000
25	Plant Operations & Collection System	1,200,000	3%	1,233,000	3%	1,267,000	3%	1,302,000	3%	1,338,000
26	Contracted Maintenance	2,310,858	3%	2,380,000	3%	2,451,000	3%	2,525,000	3%	2,601,000
27	Contracted Sludge & Ash Disposal	3,511,443	3%	3,617,000	3%	3,726,000	3%	3,838,000	3%	3,953,000
28	Other Contracted Services	1,950,593	3%	2,009,000	3%	2,070,000	3%	2,134,000	3%	2,198,000
29	Equipment, Vehicles & Supplies	1,447,811	3%	1,491,000	3%	1,535,000	3%	1,580,000	3%	1,626,000
30	Plant Repairs & Replacement	1,994,485	3%	2,054,000	3%	2,116,000	3%	2,179,000	3%	2,244,000
31	Total OPERATIONS	21,800,112	3%	22,406,000	3%	23,027,000	3%	23,669,000	3%	24,324,000
GENERAL SERVICES										
32	Utilities	87,500	2%	89,000	2%	91,000	2%	93,000	2%	95,000
33	Other Contracted Services	841,368	3%	867,000	3%	892,000	3%	919,000	3%	947,000
34	Payments In-lieu of Taxes (PILOT)	750,000	0%	750,000	0%	750,000	0%	750,000	0%	750,000
35	Equipment, Vehicles & Supplies	10,000	0%	10,000	0%	10,000	0%	10,000	0%	10,000
36	Total GENERAL SERVICES	1,688,868	2%	1,716,000	2%	1,743,000	2%	1,772,000	2%	1,802,000
ALL DEPARTMENTS										
37	Personnel	11,188,416	5%	11,790,000	5%	12,431,000	6%	13,121,000	6%	13,860,000
38	Utilities	5,573,930	2%	5,684,000	2%	5,796,000	2%	5,910,000	2%	6,026,000
39	Plant Operations & Collection System	1,200,000	3%	1,233,000	3%	1,267,000	3%	1,302,000	3%	1,338,000
40	Contracted Maintenance	2,310,858	3%	2,380,000	3%	2,451,000	3%	2,525,000	3%	2,601,000
41	Contracted Sludge & Ash Disposal	3,511,443	3%	3,617,000	3%	3,726,000	3%	3,838,000	3%	3,953,000
42	Other Contracted Services	5,520,721	3%	5,665,000	3%	5,813,000	3%	5,968,000	3%	6,127,000
43	Payments In-lieu of Taxes (PILOT)	750,000	0%	750,000	0%	750,000	0%	750,000	0%	750,000
44	Equipment, Vehicles & Supplies	1,574,681	3%	1,621,000	3%	1,668,000	3%	1,716,000	3%	1,765,000
45	Plant Repairs & Replacement	1,994,485	3%	2,054,000	3%	2,116,000	3%	2,179,000	3%	2,244,000
46	Contingency	500,000	0%	500,000	0%	500,000	0%	500,000	0%	500,000
47	Total ALL DEPARTMENTS	\$ 34,124,534	3%	\$ 35,294,000	3%	\$ 36,518,000	4%	\$ 37,809,000	4%	\$ 39,164,000

COST OF SERVICE STUDY FOR FISCAL YEAR 2025

Exhibit 4.

Scheduled and Estimated Debt Service

For the Fiscal Years Ended June 30, 2025 through 2029

Line No.	Description	1 FY25	2 % ch.	3 FY26	4 % ch.	5 FY27	6 % ch.	7 FY28	8 % ch.	9 FY29
Revenue Bonds										
2005 Series A										
1	Principal	\$ -	0%	\$ -	0%	\$ -	0%	\$ -	0%	\$ -
2	Interest	16,250	0%	16,250	0%	16,250	0%	16,250	0%	16,250
2012 Series B										
3	Principal	250,000	-100%	-	0%	-	0%	-	0%	-
4	Interest	3,750	-100%	-	0%	-	0%	-	0%	-
2014 Series B										
5	Principal	3,190,000	5%	3,355,000	5%	3,530,000	5%	3,710,000	-60%	1,500,000
6	Interest	1,294,300	-13%	1,130,675	-15%	958,550	-19%	777,550	-17%	647,300
2016 Series A										
7	Principal	625,000	5%	655,000	6%	695,000	4%	720,000	4%	750,000
8	Interest	425,525	-8%	393,525	-9%	359,775	-9%	328,000	-9%	298,600
2020 Series A										
9	Principal	565,000	46%	825,000	1%	835,000	2%	850,000	279%	3,225,000
10	Interest	593,419	-1%	585,014	-2%	573,804	-2%	560,950	-6%	525,931
Estimated Future Series										
11	Principal	-	0%	-	0%	-	0%	-	0%	-
12	Interest	-	0%	-	0%	-	0%	-	0%	-
Total Revenue Bonds										
13	Principal	4,630,000	4%	4,835,000	5%	5,060,000	4%	5,280,000	4%	5,475,000
14	Interest	2,333,244	-9%	2,125,464	-10%	1,908,379	-12%	1,682,750	-12%	1,488,081
15	Total Debt Service - Revenue Bonds	\$ 6,963,244	0%	\$ 6,960,464	0%	\$ 6,968,379	0%	\$ 6,962,750	0%	\$ 6,963,081
Clean Water Fund Notes										
CSO Projects										
16	Principal	1,503,802	-31%	1,031,805	-10%	928,158	1%	941,699	1%	955,513
17	Interest	186,954	-14%	160,275	-12%	141,500	-13%	122,813	-15%	103,853
Non-CSO Projects										
18	Principal	2,825,344	0%	2,837,183	0%	2,849,260	0%	2,861,582	-4%	2,734,792
19	Interest	645,889	-9%	589,274	-10%	532,420	-11%	475,322	-12%	418,671
Estimated Future Notes - CSO Projects										
20	Principal	255,283	310%	1,047,636	7%	1,122,876	-7%	1,047,569	152%	2,643,714
21	Interest	78,592	201%	236,774	93%	456,879	-5%	434,916	68%	728,772
Estimated Future Notes - Non-CSO Projects										
22	Principal	558,654	5%	586,152	-12%	512,956	218%	1,632,511	-33%	1,087,771
23	Interest	165,699	16%	192,444	11%	214,252	152%	539,443	-21%	428,492
Total Clean Water Fund Notes										
24	Principal	5,143,084	7%	5,502,775	-2%	5,413,251	20%	6,483,360	14%	7,421,789
25	Interest	1,077,134	9%	1,178,767	14%	1,345,050	17%	1,572,493	7%	1,679,787
26	Total Debt Service - CWF Notes	\$ 6,220,217	7%	\$ 6,681,542	1%	\$ 6,758,301	19%	\$ 8,055,854	13%	\$ 9,101,576
City of New Haven Share of CSO Projects										
CSO Projects										
27	Principal	(601,521)	-31%	(412,722)	-10%	(371,263)	1%	(376,679)	1%	(382,205)
28	Interest	(74,782)	-14%	(64,110)	-12%	(56,600)	-13%	(49,125)	-15%	(41,541)
Estimated Future Notes - CSO Projects										
29	Principal	(102,113)	310%	(419,054)	7%	(449,151)	-7%	(419,028)	152%	(1,057,485)
30	Interest	(31,437)	201%	(94,710)	93%	(182,752)	-5%	(173,966)	68%	(291,509)
Total City Share of CSO Projects										
31	Principal	(703,634)	18%	(831,776)	-1%	(820,414)	-3%	(795,707)	81%	(1,439,690)
32	Interest	(106,219)	50%	(158,820)	51%	(239,352)	-7%	(223,091)	49%	(333,050)
33	Total Debt Service - New Haven Share	\$ (809,853)	22%	\$ (990,596)	7%	\$ (1,059,765)	-4%	\$ (1,018,798)	74%	\$ (1,772,740)
Total Net Debt Service										
34	Principal	9,069,449	5%	9,505,999	2%	9,652,837	14%	10,967,654	4%	11,457,099
35	Interest	3,304,159	-5%	3,145,411	-4%	3,014,077	1%	3,032,152	-7%	2,834,818
36	Total Net Debt Service	\$ 12,373,608	2%	\$ 12,651,410	0%	\$ 12,666,915	11%	\$ 13,999,806	2%	\$ 14,291,917

COST OF SERVICE STUDY FOR FISCAL YEAR 2025

Exhibit 5.

Scheduled and Estimated Debt Service - Clean Water Fund Notes/CSO Projects

For the Fiscal Years Ended June 30, 2025 through 2048

Line		1	2	3	4	5	6	7	8	9	10	11	
No.	Year	463-CD1	563-DC	581-C1	581-C2	711-DC	Total Actual	2017-1D	664-DC	2024-1D	2017-1C	Total Estimated Total	
Greater New Haven WPCA Share - 60%							<i><===== Actual obligations</i>	<i>Est. future obl. (projects planned for completion through 2029) =====></i>					
1	FY25	\$ 37,136	\$ 329,345	\$ 220,900	\$ 226,494	\$ 200,579	\$ 1,014,454	\$ 200,324	\$ -	\$ -	\$ -	\$ 200,324	\$ 1,214,778
2	FY26	15,474	54,892	220,903	226,495	197,492	715,256	104,646	666,000	-	-	770,646	1,485,902
3	FY27	-	-	220,901	226,494	194,403	641,798	104,645	667,569	175,638	-	947,852	1,589,650
4	FY28	-	-	220,901	226,497	191,316	638,714	104,645	667,569	117,276	-	889,490	1,528,204
5	FY29	-	-	220,903	226,496	188,229	635,628	104,646	667,572	117,276	1,134,000	2,023,494	2,659,122
6	FY30	-	-	220,902	226,497	185,140	632,539	104,644	667,570	117,276	1,136,672	2,026,162	2,658,701
7	FY31	-	-	110,452	226,497	182,053	519,002	104,646	667,570	117,276	1,136,673	2,026,165	2,545,167
8	FY32	-	-	-	226,494	178,965	405,459	104,646	667,572	117,276	1,136,672	2,026,166	2,431,625
9	FY33	-	-	-	226,496	175,878	402,374	104,646	667,568	117,276	1,136,674	2,026,164	2,428,538
10	FY34	-	-	-	-	172,790	172,790	104,651	667,565	117,276	1,136,673	2,026,165	2,198,955
11	FY35	-	-	-	-	169,702	169,702	104,645	667,567	117,276	1,136,672	2,026,160	2,195,862
12	FY36	-	-	-	-	166,614	166,614	104,646	667,569	117,276	1,136,673	2,026,164	2,192,778
13	FY37	-	-	-	-	163,526	163,526	104,646	667,568	117,276	1,136,673	2,026,163	2,189,689
14	FY38	-	-	-	-	160,439	160,439	104,648	667,572	117,276	1,136,669	2,026,165	2,186,604
15	FY39	-	-	-	-	157,352	157,352	104,645	667,569	117,276	1,136,674	2,026,164	2,183,516
16	FY40	-	-	-	-	64,651	64,651	104,647	667,572	117,276	1,136,674	2,026,169	2,090,820
17	FY41	-	-	-	-	-	-	104,645	667,570	117,276	1,136,674	2,026,165	2,026,165
18	FY42	-	-	-	-	-	-	104,649	667,569	117,274	1,136,674	2,026,166	2,026,166
19	FY43	-	-	-	-	-	-	104,646	667,570	117,276	1,136,674	2,026,166	2,026,166
20	FY44	-	-	-	-	-	-	8,721	667,568	117,276	1,136,672	1,930,237	1,930,237
21	FY45	-	-	-	-	-	-	-	667,570	117,276	1,136,671	1,921,517	1,921,517
22	FY46	-	-	-	-	-	-	-	-	58,637	1,136,675	1,195,312	1,195,312
23	FY47	-	-	-	-	-	-	-	-	-	1,136,672	1,136,672	1,136,672
24	FY48	-	-	-	-	-	-	-	-	-	1,136,673	1,136,673	1,136,673
25	Total	\$ 52,610	\$ 384,237	\$ 1,435,862	\$ 2,038,460	\$ 2,749,129	\$ 6,660,298	\$ 2,092,677	\$ 13,349,819	\$ 2,345,241	\$ 22,730,784	\$ 40,518,521	\$ 47,178,819
City of New Haven Share - 40%													
26	FY25	\$ 24,760	\$ 219,564	\$ 147,272	\$ 150,993	\$ 133,715	\$ 676,304	\$ 133,553	\$ -	\$ -	\$ -	\$ 133,553	\$ 809,857
27	FY26	10,316	36,594	147,269	150,993	131,656	476,828	69,763	444,000	-	-	513,763	990,591
28	FY27	-	-	147,270	150,997	129,600	427,867	69,763	445,047	117,092	-	631,902	1,059,769
29	FY28	-	-	147,271	150,992	127,540	425,803	69,765	445,047	78,182	-	592,994	1,018,797
30	FY29	-	-	147,268	150,992	125,481	423,741	69,762	445,044	78,184	756,000	1,348,990	1,772,731
31	FY30	-	-	147,269	150,994	123,424	421,687	69,767	445,046	78,183	757,783	1,350,779	1,772,466
32	FY31	-	-	73,633	150,992	121,364	345,989	69,763	445,045	78,188	757,782	1,350,778	1,696,767
33	FY32	-	-	-	150,995	119,306	270,301	69,764	445,043	78,182	757,781	1,350,770	1,621,071
34	FY33	-	-	-	150,997	117,247	268,244	69,766	445,048	78,185	757,780	1,350,779	1,619,023
35	FY34	-	-	-	-	115,189	115,189	69,758	445,050	78,185	757,780	1,350,773	1,465,962
36	FY35	-	-	-	-	113,131	113,131	69,767	445,049	78,184	757,782	1,350,782	1,463,913
37	FY36	-	-	-	-	111,072	111,072	69,763	445,046	78,183	757,779	1,350,771	1,461,843
38	FY37	-	-	-	-	109,015	109,015	69,763	445,048	78,182	757,779	1,350,772	1,459,787
39	FY38	-	-	-	-	106,954	106,954	69,762	445,043	78,186	757,785	1,350,776	1,457,730
40	FY39	-	-	-	-	104,896	104,896	69,764	445,047	78,183	757,780	1,350,774	1,455,670
41	FY40	-	-	-	-	43,100	43,100	69,763	445,044	78,181	757,781	1,350,769	1,393,869
42	FY41	-	-	-	-	-	-	69,763	445,046	78,183	757,779	1,350,771	1,350,771
43	FY42	-	-	-	-	-	-	69,762	445,047	78,183	757,780	1,350,772	1,350,772
44	FY43	-	-	-	-	-	-	69,764	445,046	78,184	757,780	1,350,774	1,350,774
45	FY44	-	-	-	-	-	-	5,813	445,048	78,183	757,784	1,286,828	1,286,828
46	FY45	-	-	-	-	-	-	-	445,046	78,184	757,781	1,281,011	1,281,011
47	FY46	-	-	-	-	-	-	-	-	39,091	757,781	796,872	796,872
48	FY47	-	-	-	-	-	-	-	-	-	757,781	757,781	757,781
49	FY48	-	-	-	-	-	-	-	-	-	757,782	757,782	757,782
50	Total	\$ 35,076	\$ 256,158	\$ 957,252	\$ 1,358,945	\$ 1,832,690	\$ 4,440,121	\$ 1,395,108	\$ 8,899,880	\$ 1,563,488	\$ 15,153,840	\$ 27,012,316	\$ 31,452,437
51	Grand Total	\$ 87,686	\$ 640,395	\$ 2,393,114	\$ 3,397,405	\$ 4,581,819	\$ 11,100,419	\$ 3,487,785	\$ 22,249,699	\$ 3,908,729	\$ 37,884,624	\$ 67,530,837	\$ 78,631,256

COST OF SERVICE STUDY FOR FISCAL YEAR 2025

Exhibit 6.
Capital Improvement Plan
For the Fiscal Years Ended June 30, 2025 through 2029

Line No.	Description	1	2	3	4	5	6
		FY25	FY26	FY27	FY28	FY29	Total
COMBINED SEWER OVERFLOW LONG TERM CONTROL PLAN							
1	Long Term Control Plan Update	\$ -	\$ 1,200,000	\$ -	\$ -	\$ -	\$ 1,200,000
2	Total CSO Long Term Control Plan	\$ -	\$ 1,200,000	\$ -	\$ -	\$ -	\$ 1,200,000
EAST SHORE WATER POLLUTION CONTROL FACILITY							
3	Roof/Floor Drain Repairs	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,000,000
4	Buried Piping Repairs/Replacement	200,000	200,000	400,000	-	200,000	1,000,000
5	Primary Clarifier Drive and Screw Replacements	160,000	175,000	185,000	-	-	520,000
6	Plant/PS Concrete Repairs/Union Station	300,000	300,000	-	-	100,000	700,000
7	SCADA Improvements	150,000	150,000	-	100,000	100,000	500,000
8	Solids Handling Rehabilitation	2,000,000	6,000,000	-	-	-	8,000,000
9	FEMA Wind Resiliency Improvements	1,000,000	-	-	-	-	1,000,000
10	Secondary Clarifier Scum Arms	200,000	-	-	-	-	200,000
11	Hydrocyclones	1,400,000	-	-	-	-	1,400,000
12	East Shore Grit Collector and Washer	1,100,000	-	-	-	-	1,100,000
13	Morris Cove Oil Tank	125,000	-	-	-	-	125,000
14	East Shore Odor Scrubber Maintenance	300,000	-	-	-	-	300,000
15	East Shore Primary Sludge Pumps	140,000	-	-	-	-	140,000
16	Secondary Clarifier Drain Valves	170,000	-	-	-	-	170,000
17	Morris Cove HVAC	150,000	-	-	-	-	150,000
18	Lab Renovations	1,000,000	-	-	-	-	1,000,000
19	Roof Replacement	-	250,000	-	-	-	250,000
20	EV Charging Stations	-	-	150,000	-	-	150,000
21	Wetwell Covers	-	-	-	-	300,000	300,000
22	Total East Shore WPC Facility	\$ 8,595,000	\$ 7,275,000	\$ 935,000	\$ 300,000	\$ 900,000	\$ 18,005,000
COLLECTION SYSTEM, PUMP STATIONS & FORCE MAINS							
23	Central Interceptor & Easements	\$ -	\$ 800,000	\$ 1,000,000	\$ 1,000,000	\$ 700,000	\$ 3,500,000
24	Cured-in-Place Pipe Lining	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000
25	Emergency On-Call Services	300,000	300,000	300,000	300,000	300,000	1,500,000
26	Wet Weather Treatment/Odor Control Ph. II	6,500,000	58,500,000	-	-	-	65,000,000
27	Main Sewerage Pumps - East Shore	175,000	220,000	-	-	-	395,000
28	Pump Station Imp. - Design & Const.	600,000	-	700,000	-	700,000	2,000,000
29	Manhole Rehabilitation Program	700,000	-	-	700,000	-	1,400,000
30	Boulevard Grit Washer	300,000	-	-	-	-	300,000

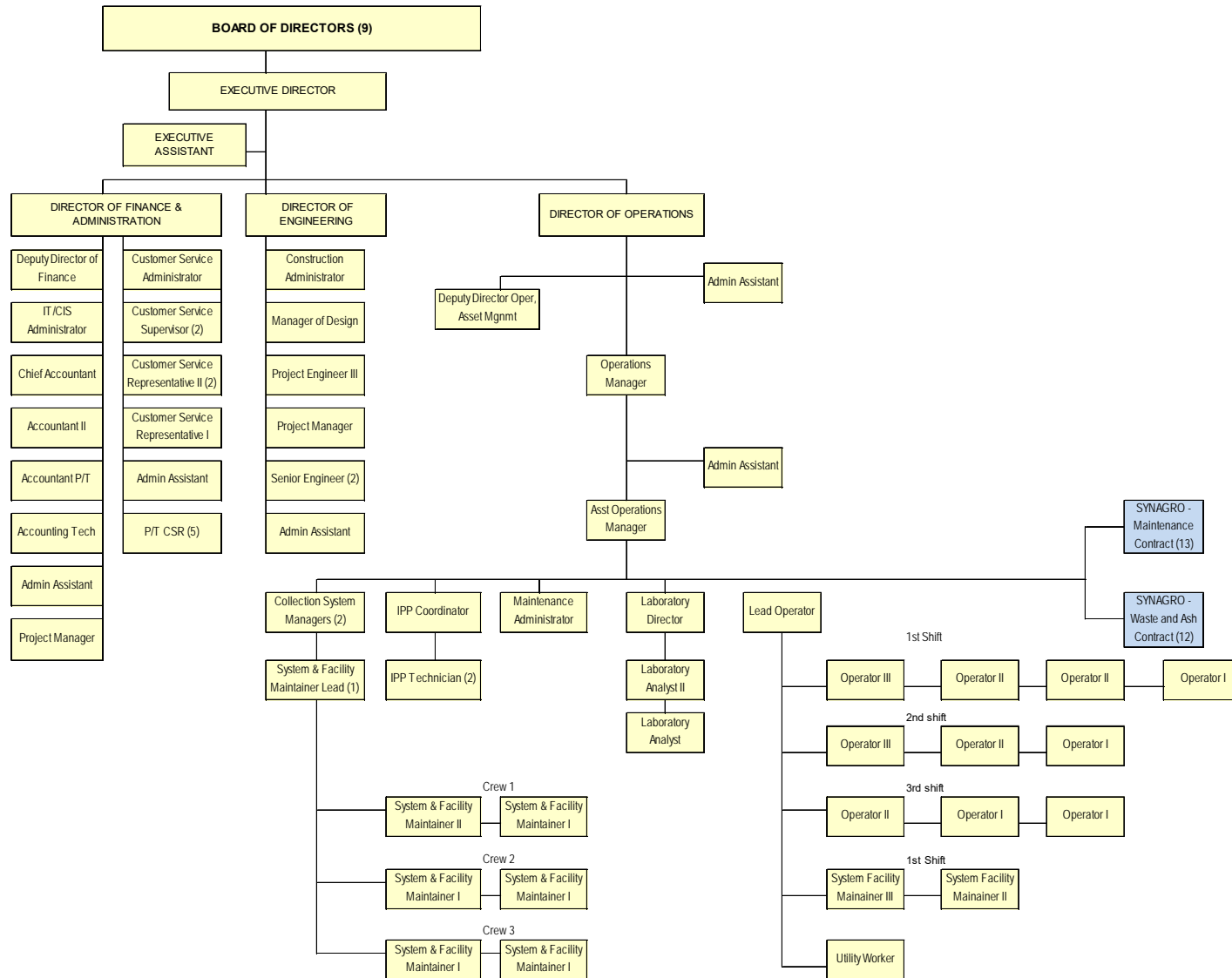
COST OF SERVICE STUDY FOR FISCAL YEAR 2025

Exhibit 6., continued
Capital Improvement Plan

For the Fiscal Years Ended June 30, 2025 through 2029

Line No.	Description	1 FY25	2 FY26	3 FY27	4 FY28	5 FY29	6 Total
COLLECTION SYSTEM, PUMP STATIONS & FORCE MAINS							
31	Wet Weather Conveyance Study	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000
32	I/I Woodbridge & East Haven	400,000	-	-	-	-	400,000
33	Upper Riverside Interceptor	2,500,000	-	-	-	-	2,500,000
34	Boulevard Interceptor Repairs	400,000	-	-	-	-	400,000
35	Union Street Forcemain Bridge	2,000,000	-	-	-	-	2,000,000
36	Lower Mill River Interceptor	-	1,000,000	-	-	-	1,000,000
37	Mill River Phase 3 I/I Rehab	-	800,000	7,200,000	-	-	8,000,000
38	Foxon Park Interceptor	-	1,000,000	1,500,000	-	-	2,500,000
39	Fuel Storage Tanks - Pump Stations	-	-	150,000	150,000	-	300,000
40	Tuttle Brook Interceptor, E. Haven	-	-	-	2,500,000	-	2,500,000
41	Design and Construction Boulevard Pump Station	-	-	-	3,500,000	45,900,000	49,400,000
42	Permitting for Wet Weather Conveyance Project	-	-	-	500,000	-	500,000
43	Morris Cove Bar Screens	-	-	-	-	700,000	700,000
44	Total Coll. System, Pump Stations & Force Mains	\$ 15,375,000	\$ 64,620,000	\$ 12,350,000	\$ 10,150,000	\$ 49,800,000	\$ 152,295,000
GENERAL							
45	FIS Upgrade	\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ 600,000
46	Front-end Loader	-	-	90,000	-	-	90,000
47	Bypass Hose/Piping	-	-	-	100,000	-	100,000
48	Total Coll. System, Pump Stations & Force Mains	\$ 300,000	\$ 300,000	\$ 90,000	\$ 100,000	\$ -	\$ 790,000
49	TOTAL CAPITAL IMPROVEMENT PLAN	\$ 24,270,000	\$ 73,395,000	\$ 13,375,000	\$ 10,550,000	\$ 50,700,000	\$ 172,290,000
SOURCES OF FINANCING							
50	Clean Water Fund - Grants	\$ 3,330,000	\$ 29,925,000	\$ 1,440,000	\$ 1,325,000	\$ 13,770,000	\$ 49,790,000
51	Clean Water Fund - Notes	3,570,000	30,850,000	5,760,000	2,450,000	32,130,000	74,760,000
52	<i>Total Clean Water Fund</i>	6,900,000	60,775,000	7,200,000	3,775,000	45,900,000	124,550,000
53	Other Grants	750,000	-	-	-	-	750,000
54	Dedicated Infrastructure Renewal Fund	16,620,000	12,620,000	6,175,000	6,775,000	4,800,000	46,990,000
55	Total Sources of Financing	\$ 24,270,000	\$ 73,395,000	\$ 13,375,000	\$ 10,550,000	\$ 50,700,000	\$ 172,290,000

Exhibit 7.
Organization Chart



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A decorative graphic consisting of three thin orange lines. One line is horizontal, extending across the bottom of the page. Two other lines are diagonal, starting from the bottom left and extending towards the top right, crossing the horizontal line.