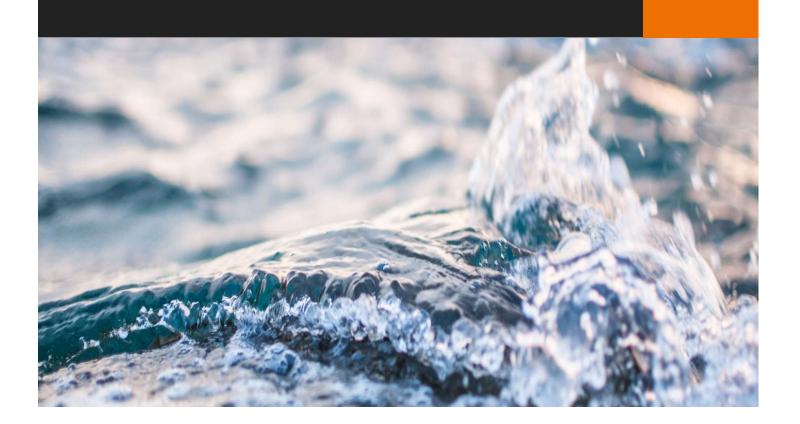


City of Goldsboro, NC

Water and Sewer System Development Fee Study

April 10, 2023





April 10, 2023

Matthew Livingston Assistant City Manager City of Goldsboro, NC 200 N. Center Street Goldsboro, NC 27530

Re: Final Water and Sewer System Development Fee Study Dear Mr. Livingston,

Stantec is pleased to present this Final Report on the Water and Sewer System Development Fee Study that we performed for the City of Goldsboro, North Carolina. We appreciate the professional assistance provided by you and all of the members of the City staff who participated in the Study.

If you have any questions, please do not hesitate to call me at (202) 585-6391. We appreciate the opportunity to be of service to the City and look forward to the possibility of doing so again in the near future.

I the

Sincerely,

David A. Hyder Senior Principal

1101 14th Street NW Washington DC 20005 (202) 585-6391 David.hyder@stantec.com

Enclosure

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1. INTRODUCTION

Stantec Consulting Services Inc. (Stantec) has conducted a Water and Sewer System Development Fee Study (Study) for the City of Goldsboro's water and sewer systems (hereafter referred to as "City" or "Utility"). This report presents the results of the comprehensive Study, including background information, legal requirements, an explanation of the calculation methodology employed, and the results of the analysis.

1.1 BACKGROUND

A system development fee is a one-time charge paid by a new customer to recover a portion or all of the cost of constructing water and sewer system capacity. The fees are also often assessed to existing customers requiring increased system capacity. In general, system development fees are based upon the costs of utility infrastructure including, but not limited to, water supply facilities, treatment facilities, effluent disposal facilities, and transmission mains. System development fees serve as the mechanism by which growth can "pay its own way" and minimize the extent to which existing customers must bear the cost of facilities that will be used to serve new customers.

Currently, the City does not assess system development fees and therefore does not recover the cost of providing water and sewer capacity from new connections to the utility systems. The City has retained the services of Stantec to calculate system development fees for each respective system in accordance with the North Carolina Public Water and Sewer System Development Fee Act, set forth in North Carolina General Statue 162A, Article 8 and provide recommendations developed during the study.

1.2 LEGAL REQUIREMENTS

The Public Water and Sewer System Development Fee Act ("SDF Act") was approved on July 20th, 2017 and grants local government entities that own or operate municipal water and sewer systems the authority to assess system development fees for the provision of utility service to new development.

The SDF Act defines new development as 1) subdivision of land, 2) construction or change to existing structure that increases service needs or 3) any use of land which increased service needs within 1 year (not longer than 12 months) of a system development fee being adopted.

According to the SDF Act the following procedural requirements need to be followed in order to adopt a system development fee:

Requirement 1 (NC G.S. 161A – 205): The fee should be calculated in a written analysis ("SDF Analysis"). The SDF Analysis should (1) be prepared by a financial professional or licensed professional engineer (qualified by experience and training or education) to calculate system development fees for public water and sewer systems; (2) document the facts and data used in the analysis and their sufficiency and reliability; (3) employ generally accepted accounting, engineering, and planning methodologies, including the buy-in, incremental, or combined cost

methods for each service setting forth appropriate consideration and selection of a method appropriate to the circumstances and to meet all of the SDF Act requirements; (4) document and demonstrates reliable application of the methodologies to facts and data underlying each identifiable component of the system development fee; (5) identify all assumptions and limiting conditions affecting that analysis and demonstrate that they do not materially undermine the reliability of the conclusion reached; (6) calculate a system development fee per service unit of new development and include an equivalency or conversion table to use in determining the fees applicable for various categories of demand; (7) cover a planning horizon of between 5 and 20 years; (8) be adopted by resolution or ordinance of the local governmental unit and (9) use the gallons per day per service unit that the local governmental unit applies to its water or sewer system engineering or planning as appropriate in calculating the system development fees.

- Requirement 2 (NC G.S. 162A-209): The system development fee analysis must be posted on the local governmental unit's website and a means by which public comments can be solicited / submitted must be provided, for a period of at least 45 days.
- Requirement 3 (NC G.S. 162A-209): Comments received from the public must be considered by preparer of the system development fee analysis for possible adjustments to the analysis.
- Requirement 4 (NC G.S. 162A-209): The local governmental unit must hold a public hearing prior
 to considering adoption of the system development fees including any adjustments made as part
 of the public comments received by that local governmental unit.
- Requirement 5 (NC G.S. 162A-209): The system development fee schedule must be published
 as part of the local governmental unit's annual budget or fee ordinance.
- Requirement 7 (NC G.S. 162A-207): The local governmental unit cannot adopt a fee that is higher than the fee calculated by the professional analysis.
- Requirement 6 (NC G.S. 162A-209): The system development fee analysis shall be updated at least every five years.

In addition to the procedural requirements listed above, SDF Act provides specific requirements pertaining to the calculation of the system development fees. These requirements are highlighted within the body of this report in concert with the calculation of the system development fees for the City. Further, the City must follow SDF Act when actually charging the system development fee: it may be charged only to "new development" and only at the time specified in the legislation; and new development must be given a credit for costs in excess of the development's proportionate share of connecting facilities required to be oversized for use of others outside of the development.

1.3 GENERAL METHODOLOGY

There are three primary approaches to the calculation of system development fees, all of which are outlined within the SDF Act. Each of the approaches are discussed below.

Buy-In Method

This approach determines the system development fees solely on the existing utility system assets. Specifically, the replacement cost of each system's major functional components serves as the cost basis for the system development fee calculation. This approach is most appropriate for a system with considerable excess capacity, such that most new connections to the system will be served by that existing excess capacity and the customers are effectively "buying-in" to the existing system.

Incremental/Marginal Cost Method

The second approach is to use the portion of each system's multi-year capital improvement program (CIP) associated with the provision of additional system capacity by functional system component as the cost basis for the development fee calculation. This approach is most appropriate where 1) the existing system has limited or no excess capacity to accommodate growth, and 2) the CIP contains a significant number of projects that provide additional system capacity for each functional system component representative of the cost of capacity for the entire system.

Combined Cost Method

The third approach is a combination of the two previous approaches described. This approach is most appropriate when 1) there is excess capacity in the current system that will accommodate some growth, but additional capacity is needed in the short-term as reflected in each system's CIP, and 2) the CIP includes a significant number of projects that will provide additional system capacity but does not necessarily have a sufficient number of projects in each functional area to be reflective of a total system.

1.3.1 Methodologies & Restriction of Proceeds

While SDF Act allows for the use of any one of the three methodologies discussed above, it specifies restrictions on how the revenues generated by the fees calculated using each methodology may be utilized. Table 1-1 summarizes each of the three methodologies, their typical application, and restriction of how the revenues can be utilized for each.

Table 1-1 Description of Methodologies & Restriction to Proceeds

Methodology / Approach:	Description:	Fee Proceeds Allowed for:			
Buy-In Method	New development shares in capital costs previously incurred which provided capacity for demand arriving with new development needs.	Expansion and/or rehabilitation projects. Since the buy-in method reimburses the system for certain past investments, proceeds can be utilized for all types of capital projects.			

Methodology / Approach:	Description:	Fee Proceeds Allowed for:
Incremental / Marginal Cost	New development share in capital costs to be incurred in the future which will provide capacity for demand arriving with new development needs.	Professional services costs in development of new fees and expansion costs (construction costs, debt service, capital, land purchase, other costs etc.) related to new development only. If no capital projects in next five years can be used for debt related to existing assets.
Combined Cost	Combination of Buy-In and Incremental / Marginal Cost methods	May be expended for previously completed capital improvements for which capacity exists and for capital rehabilitation projects.

After review, the City has existing capacity within its water and sewer system's existing infrastructure to accommodate new development and limited defined capacity expansion is identified within the City's capital improvements plan. As such, the Buy-in Cost method was determined to be the most appropriate basis for both the water and sewer system development fees.

To comply with the SDF Act, the City will revisit the methodology used as well as the calculation of its system development fees at least every five years

2. BASIS OF ANALYSIS

2.1 WATER AND SEWER SYSTEM DEVELOPMENT FEE COST METHODOLOGY

The water and sewer system development fees were calculated using the Buy-In Cost method which requires a determination of the existing cost basis or existing value for both utility systems. The following outlines the process to determine the net system value (cost basis) for the water and sewer system under the Buy-In Cost approach.

- 1) The City's existing major water and sewer system components assets are analyzed to determine the replacement cost new less depreciation (RCNLD).
- 2) Non-core system assets are excluded from the existing system value, including items such as vehicles, meters, computer equipment and other non-core system assets.
- 3) Any donated assets and/or assets not funded by the City (funded by grants, developers, etc.) are removed from the net system value (existing assets only).
- 4) The net value of the water and sewer system are further reduced by the outstanding principal on existing debt (NC G.S.162A-207).
- 5) The resulting net system value is used in the determination of the system development fee along with system capacity and level of service standards.

The following section outlines the details of the analysis completed during the Study to calculate the water and sewer system development fees.

2.2 BUY-IN NET SYSTEM VALUE

The City provided an asset inventory which included description, asset category/class, year placed in service, original cost, and useful life for each asset through FY 2021 for both the water and sewer systems. These assets were classified by each major system function, and a replacement cost new less depreciation was calculated for each asset record using the data provided by the City and the Engineering News Record Construction Cost Index. Any assets determined to be administrative and serve all systems and functions were split based on the overall allocation of classified assets.

The SDF Act requires that the system development fee calculations include provisions for credits against the value of the system to account for assets that were not funded by the municipality. As such, assets that were contributed or paid for by developers were identified and excluded from the calculation of the net asset value of each system.

In addition to contributed asset, non-core system assets were excluded from the determination of the RCNLD. These include meters, vehicles, equipment, computers, and other non-core assets. Results of

the RCNLD for the City's existing water and sewer systems based upon the asset records provided by City staff are shown in Tables 2-1 and 2-2.

Table 2-1 Replacement Cost New, Less Depreciation: Water System

Asset Category	RCNLD Value	Allocated Admin Costs	Less Contributed / Non-Core Asset	Net Asset Value
Source / Treatment	\$46,214,121	\$1,334,182	(\$1,839,746)	\$45,708,557
Transmission / Distribution	\$41,218,586	\$1,054,684	(\$6,140,216)	\$36,133,054
Total	\$87,432,707	\$2,388,866	(\$7,979,962)	\$81,841,611

Table 2-2 Replacement Cost New, Less Depreciation: Sewer System

Accet Cotogony	RCNLD Value	Allocated	Less Contributed /	Net Asset	
Asset Category	RCNLD Value	Admin Costs	Non-Core Asset	Value	
Treatment	\$86,010,156	\$2,576,541	(\$315,406)	\$88,271,291	
Conveyance / Collection	\$47,534,953	\$1,400,442	(\$956,813)	\$47,978,582	
Total	\$133,545,109	\$3,976,983	(\$1,272,219)	\$136,249,873	

2.3 SYSTEM CAPACITY

The City's water and sewer systems consist of numerous functional components such as water treatment, source of supply, transmission and storage. Each of the functional components have a physical or regulatory permitted capacity. While treatment, supply, and disposal capacities are readily available and generally accepted to be the physical or regulatory permitted capacity of such facilities, transmission system capacities are more difficult to quantify.

As such, it is common to define the capacity for all functional components (including the transmission facilities) based on the system's total treatment capacity. This approach was utilized for the determination of the system capacities of the City's utility systems. The rationale behind this decision is that even if the transmission and pumping portion of either system is larger than that system's treatment capacity, the maximum capacity the system can offer to its connections is its total treatment capacity. The City owns a water treatment plant with a max day capacity of 14.0 million gallon per day ("MGD") and a wastewater treatment plant with a permitted capacity of 14.2 MGD.

2.4 UNIT COST / SYSTEM DEVELOPMENT FEE CALCULATION

Table 2-3 summarizes the System Development fee calculation for both the water and sewer systems using the Buy-In methodology. Furthermore, it provides the cost per gallon per day of system capacity based on the total capacity available within each system. It should be noted that the calculation includes the removal of the existing outstanding debt principal for the water and sewer systems from the system asset values. This accounts for the fact that the City recovers annual debt service within its water and sewer rates and is consistent with guidance outlined in the SDF Act.

Table 2-3 Calculation of Cost per Gallon Per Day

	Water	Sewer
RCNLD Value of Existing Assets	\$89,821,573	\$137,522,092
Total Value	\$89,821,573	\$137,522,092
Less Credits		
Outstanding Debt Principal	(\$6,936,265)	(\$16,620,878)
Donated Assets / Non-Core Assets	(7,979,962)	(1,272,219)
Net System Value	\$74,905,347	\$119,628,994
System Capacity - Gallons per Day	14,000,000	14,200,000
Cost per Gallon Per Day	\$5.35	\$8.42

2.5 LEVEL OF SERVICE

The SDF Act requires that system development fees be assessed based on a "Service Unit" which represents a unit of measure of system capacity, typically defined as an equivalent residential unit (ERU). Utilizing this approach, it is possible to define the City's capacity in units of capacity or ERUs. Expressing the system capacities in terms of ERUs allows for the development of the unit pricing of capacity which is essential for the determination of system development fees. The basis for the determination of the ERU needs to be related to a specific level of service standard utilized by the local government for system engineering and planning purposes. The total system capacity (treatment capacity in million gallons per day for each system) divided by the level of service in gallons per day is equal to the total number of ERUs the City can serve with the system capacity.



The City's current level of service standard follows the North Carolina state standard of 120 gallons per day per bedroom. With an assumption of 3 bedrooms per ERU, this results in a level of service of 360 gpd. The level of service utilized as part of this process represents average daily usage per ERU.

Table 2-4 presents the total ERUs within the water and sewer systems based on the existing capacity of the water and sewer systems.

Table 2-4 System ERUs

	Water	Sewer
System Capacity (gallons)	14,000,000	14,200,000
Level of Service (gpd)	360	360
Total ERUs	38,889	39,444

To account for the variations in demands that are potentially placed on the water and sewer systems by customers joining the respective systems, it is important establish a system development fee schedule that is aligned with potential use of each system. The most common approach within the utility industry is to scale the fees based on the size of the new water meter that is connecting to the system. The scaling of the system development fee by meter size thus effectively reflects the potential demand on the system associated with each meter (i.e., the larger the meter, the more capacity that can be drawn on the system). The American Water Works Association (AWWA) publishes meter equivalency factors that reflect the hydraulic capacity of each meter. This approach is consistent with industry standards and is an acceptable means of determining the fees based on potential use of the system as defined by the maximum flow rate of the water meter. Table 2-5 presents the basis for the scaling factors and the resulting ERUs by meter size.

Table 2-5 Equivalent Residential Unit Scaling

Meter Size	Maximum Flow Rate (GPM)	Equivalent Residential Units (ERUs)
3/4"	30	1.00
1"	50	1.67
1 ½"	100	3.33
2"	160	5.33
3"	350	11.67
4"	630	21.00
6"	1,300	43.33
8"	2,800	93.33
10"	4,200	140.00

3. RESULTS

This section summarizes the results of the Study, the calculated system development fees, and conclusions and recommendations.

3.1 CALCULATED WATER AND SEWER SYSTEM DEVELOPMENT FEES

To calculate the system development fees, the total unit cost per gallon for capacity described in Section 2 and presented in Table 2-3 is multiplied by the level of service standard for an ERU of 360 gallons per day, which equates to \$2,012 for water and \$3,092 for sewer. Tables 3-1, 3-2 and 3-3 provide a schedule of the calculated water, sewer and combined system development fees respectively based upon the cost and capacity information discussed in the Study by meter size. The scaling of the system development fee by meter size is intended to reflect the potential demand associated with each meter as described in Section 2 and is recommended to be applied for both water and sewer system development fees.

Table 3-1 Water System Development Fee Schedule

Meter size	Calculated Water SDF
3/4" (1 ERU)	\$1,926
1"	\$3,210
1 ½"	\$6,420
2"	\$10,272
3"	\$22,470
4"	\$40,446
6"	\$83,460
8"	\$179,760
10"	\$269,640

Table 3-2 Sewer System Development Fee Schedule

Meter size	Calculated Sewer SDF
3/4" (1 ERU)	\$3,032
1"	\$5,053
1 ½"	\$10,107
2"	\$16,171
3"	\$35,373
4"	\$63,672
6"	\$131,387
8"	\$282,987
10"	\$424,480

Table 3-3 Combined System Development Fee Schedule

Meter size	Calculated Combined SDF
3/4" (1 ERU)	\$4,958
1"	\$8,263
1 ½"	\$16,527
2"	\$26,443
3"	\$57,843
4"	\$104,118
6"	\$214,847
8"	\$462,747
10"	\$694,120

It is important to note that the City has discretion regarding the percentage of cost recovery utilized in the establishment of the system development fees. The system development fees can recover any amount up to, but not in excess of, the full cost recovery amounts identified herein for the calculated system development fees.

3.2 CONCLUSIONS AND RECOMMENDATIONS

Based upon the analysis presented herein, Stantec has developed the following conclusions and recommendations:

- 1) We recommend that the City adopt the calculated water and sewer system development fees as demonstrated in Tables 3-1, and 3-2. This will allow the City to recover a portion of the cost of providing water and sewer capacity from new connections joining the system and reduce the burden on existing rate payers to fund all aspects of the utility systems.
- 2) We recommend that the City review its development fees at least every five years to ensure that it follows requirements established by the SDF Act and to ensure that they remain fair and equitable and continue to reflect its current cost of capacity. As the City continues to expand its facilities, future changes in technology, demands, development patterns, or other factors may necessitate additional adjustments to its system development fees.
- 3) We recommend that as part of any system development fee update, the City also evaluates the most appropriate accepted methodology for calculating its system unit cost of capacity as system capacity may change over time.

Disclaimer

This document was produced by Stantec Consulting Services, Inc. ("Stantec") for the City of Goldsboro and is based on a specific scope agreed upon by both parties. Stantec's scope of work and services do not include serving as a "municipal advisor" for purposes of the registration requirements of the Dodd-Frank Wall Street Reform and Consumer Protection Act (2010) or the municipal advisor registration rules issued by the Securities and Exchange Commission. Stantec is not advising the City of Goldsboro, or any municipal entity or other person or entity, regarding municipal financial products or the issuance of municipal securities, including advice with respect to the structure, terms, or other similar matters concerning such products or issuances.

In preparing this report, Stantec utilized information and data obtained from the City of Goldsboro or public and/or industry sources. Stantec has relied on the information and data without independent verification, except only to the extent such verification is expressly described in this document. Any projections of future conditions presented in the document are not intended as predictions, as there may be differences between forecasted and actual results, and those differences may be material.

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

APPENDIX: SUPPORTING SCHEDULES

Asset Description	Original Cost	Year Acquired	Design Life (Years)	Annual Depreciation	Accumulated Depreciation	Net Book Value	ENR Escalation	Gross Asset Value	% of Asset Contributed or	Contributed/ Excluded Assets	Net Asset Value
			(Tours)	Depreciation	Depreciation		Factor	RCNLD	Excluded	Value	
	5,297	1961	75				15.34	\$ 15,166	0%	\$ -	\$ 15,166
6 CEMENT ASBESTOS JOHN CRT	5,306	1979	75			\$ 2,264	4.33	\$ 9,794	0%	-	\$ 9,794
6 ASBESTOS CEMENT HOOKS RIVER RD 16 CEMENT ASBESTOS GEORGE ST	5,326 5.347	1972 1974	75 5 75 5			\$ 1,775 \$ 1.925	7.41 6.43	\$ 13,157 \$ 12.380	0%	T	\$ 13,157 \$ 12,380
10 TERRACOTTA PIPE HARRIS ST.	5,373	1963	75		7 -,	\$ 1,146	14.42	\$ 16,528	0% 0%	7	\$ 16,528
6 CEMENT ASBESTOS BRANCH ST		1970	75		\$ 3,729	\$ 1,649	9.41	\$ 15,515	0%		\$ 15,515
6 CEMENT ASBESTOS NEUSE ST	5,414	1981	75		\$ 2,960	\$ 2,454	3.68	\$ 9,020	0%	\$ -	\$ 9,020
8 CEMENT ASBESTOS LESLIE ST		1953	75			\$ 434	21.65	\$ 9,387	0%		\$ 9,387
8 VITRIFIED CLAY DOVE PL		1965	75			\$ 1,308	13.38	\$ 17,494	0%		\$ 17,494
6 CEMENT ASBESTOS JOHN & WAYNE ST 8 VITRIFIED CLAY GRAHAM ST.		1957 1966	75 5 75 5			\$ 727 \$ 1,382	17.94 12.75	\$ 13,039 \$ 17,625	0% 0%		\$ 13,039 \$ 17,625
8 VITRIFIED CLAY HILLDALE		1965	75			\$ 1,314	13.38	\$ 17,584	0%	Ψ	\$ 17,584
8 VITRIFIED CLAY MIMOSA ST.	5,493	1966	75	\$ 73		\$ 1,392	12.75	\$ 17,741	0%		\$ 17,741
6 CEMENT ASBESTOS AZALEA DR		1962	75			\$ 1,107	14.90	\$ 16,487	0%		\$ 16,487
8 VITRIFIED CLAY SEWER EXT		1978	75			\$ 2,290	4.68	\$ 10,716	0%	7	\$ 10,716
8 TERRACOTTA PIPE PUBLIC DR. 10 CEMENT ASBESTOS PUBLIC ST	0,001	1960	75 S			\$ 965 \$ 1,485	15.77	\$ 15,214 \$ 17,967	0%	7	\$ 15,214 \$ 17,967
8 TERRACOTTA PIPE BETHUNE AVE.		1967 1966	75			\$ 1,485 \$ 1.423	12.10 12.75	\$ 17,967 \$ 18,145	0% 0%	ų	\$ 17,967 \$ 18,145
6 CEMENT ASBESTOS HERBERT STREET		1969	75 :			\$ 1,660	10.24	\$ 16,997	0%		\$ 16,997
8 VITRIFIED CLAY ROYALL AVE.	5,668	1968	75	\$ 76	\$ 4,081	\$ 1,587	11.25	\$ 17,851	0%		\$ 17,851
6 CEMENT ASBESTOS CLAIBORNE ST		1964	75			\$ 1,287	13.88	\$ 17,867	0%	7	\$ 17,867
12 CEMENT ASBESTOS CENTER ST	,	1953	75				21.65	\$ 9,865	0%	7	\$ 9,865
8 CEMENT ASBESTOS 117 BYPASS 6 ASBESTOS CEMENT PEARSON ST		1966 1979	75 5 75 5				12.75 4.33	\$ 18,439 \$ 10,599	0%	7	\$ 18,439 \$ 10,599
6 CEMENT ASBESTOS TAYLOR STREET		1964	75			\$ 1,308	13.88	\$ 18,153	0% 0%	•	\$ 18,153
8 TERRACOTTA PIPE CLAIBORNE		1970	75				9.41	\$ 16,932	0%	-	\$ 16,932
8 VITRIFIED CLAY US 117 NORTH		1965	75				13.38	\$ 18,949	0%	\$ -	\$ 18,949
6 CEMENT ASBESTOS STEPHEN ST		1970	75				9.41	\$ 17,073	0%	\$ -	\$ 17,073
10 ASBESTOS CEMENT SALEM CHURCH RD		1972	75				7.41	\$ 14,832	0%		\$ 14,832
18 REINFORCED CONCRETE PIPE HOWELL BR O/F		1969 1973	75			7 1,111	10.24 6.86	\$ 18,174	0%		\$ 18,174 \$ 14,412
8 ASBESTOS CEMENT HOLLY ST : 8 CEMENT ASBESTOS SR 1306 : :		1963	75 5 75 5			\$ 2,102 \$ 1,310	14.42	\$ 14,412 \$ 18,893	0% 0%		\$ 14,412 \$ 18,893
8 TERRACOTTA PIPE ANDERSON DR.		1966	75			\$ 1,556	12.75	\$ 19,838	0%		\$ 19,838
12 CEMENT ASBESTOS MADISON AVE		1955	75			\$ 657	19.68	\$ 12,938	0%	\$ -	\$ 12,938
8 VITRIFIED CLAY ELM ST.		1971	75	\$ 82			8.22	\$ 16,230	0%	\$ -	\$ 16,230
6 CEMENT ASBESTOS US 117-70		1960	75				15.77	\$ 16,884	0%		\$ 16,884
6 CEMENT ASBESTOS ROBINSON PL 8 CEMENT ASBESTOS WHITFIELD DR	-,	1974 1976	75 5 75 5	\$ 84 \$ 84			6.43 5.41	\$ 14,501 \$ 13,122	0%		\$ 14,501 \$ 13,122
6 CEMENT ASBESTOS KENNON CT		1976	75	\$ 84		\$ 2,429	5.41	\$ 13,141	0% 0%		\$ 13,141
12 CEMENT ASBESTOS SPRUCE ST		1956	75			\$ 757	18.77	\$ 14,207	0%		\$ 14,207
8 CEMENT ASBESTOS 117 BYPASS RELOCATN		1971	75			\$ 2,036	8.22	\$ 16,727	0%	\$ -	\$ 16,727
6 CEMENT ASBESTOS GLENWOOD TRL	6,420	1963	75			\$ 1,370	14.42	\$ 19,748	0%	\$ -	\$ 19,748
6 CEMENT ASBESTOS ASH STREET 8 VITRIFIED CLAY BRAMBLEWOOD APTS	6,423 6,473	1966 1972	75 S		\$ 4,796 \$ 4,315	\$ 1,627 \$ 2,158	12.75 7.41	\$ 20,745 \$ 15,991	0% 0%	\$ -	\$ 20,745 \$ 15,991
6 CEMENT ASBESTOS ANDERSON ST	6,494	1969	75			\$ 1,905	10.24	\$ 19,502	0%	\$ -	\$ 19,502
8 VITRIFIED CLAY TAYLOR ST.		1964	75			\$ 1,474	13.88	\$ 20,465	0%	\$ -	\$ 20,465
8 VITRIFIED CLAY PALM ST.		1968	75			\$ 1,829	11.25	\$ 20,576	0%	\$ -	\$ 20,576
8 CEMENT ASBESTOS 117 BYPASS		1976	75			\$ 2,527	5.41	\$ 13,673	0%	-	\$ 13,673
12 CAST IRON CHESTNUT :	,	1957 1969	75 5 75 5			\$ 873 \$ 1.937	17.94	\$ 15,674 \$ 19,835	0%	7	\$ 15,674
8 VITRIFIED CLAY WINSLOW CIRCLE 6 CEMENT ASBESTOS VIRGINIA ST		1969	75			\$ 1,937 \$ 2,556	10.24 5.41	\$ 19,835 \$ 13,830	0% 0%	7	\$ 19,835 \$ 13,830
8 CEMENT ASBESTOS CAROLINA ST		1967	75			\$ 1,770	12.10	\$ 21,406	0%	7	\$ 21,406
8 VITRIFIED CLAY NELSON ST.	6,638	1965	75	\$ 89	\$ 5,045	\$ 1,593	13.38	\$ 21,315	0%	\$ -	\$ 21,315
6 CEMENT ASBESTOS PINE NEEDLES	0,000	1978	75			\$ 2,769	4.68	\$ 12,958	0%	7	\$ 12,958
8 VITRIFIED CLAY BEST ST.	0,720	1970	75			\$ 2,063	9.41	\$ 19,410	0%	7	\$ 19,410
2 GALVANIZED IRON BORDEN HOME 8 VITRIFIED CLAY ANDREWS AVE.		1968 1965	75 S				11.25 13.38	\$ 21,357 \$ 21,990	0% 0%		\$ 21,357 \$ 21,990
8 VITRIFIED CLAY 1ST AFRICAN		1980	75			\$ 3.033	4.01	\$ 12.173	0%	7	\$ 12,173
10 CEMENT ASBESTOS ROYALL AVE		1973	75			\$ 2,391	6.86	\$ 16,392	0%	\$ -	\$ 16,392
8 VITRIFIED CLAY CLAIBORNE :		1964	75	\$ 92		\$ 1,565	13.88	\$ 21,718	0%	7	\$ 21,718
8 VITRIFIED CLAY ASH ST. (N.SIDE)		1969	75			\$ 2,050	10.24	\$ 20,985	0%	7	\$ 20,985
8 VITRIFIED CLAY PINE RIDGE		1965	75			\$ 1,684	13.38	\$ 22,535	0%		\$ 22,535
8 TRUSS PIPE MIMOSA : 12 CEMENT ASBESTOS CASHWELL DR : 1	,	1973 1973	75 S			\$ 2,438 \$ 2,446	6.86 6.86	\$ 16,715 \$ 16,767	0% 0%		\$ 16,715 \$ 16,767
4 PVC FORCE MAIN		1968	75				11.25	\$ 22,434	0%	7	\$ 22,434
8 CEMENT ASBESTOS WHITFIELD DR		1972	75				7.41	\$ 17,623	0%	7	\$ 17,623
6 CEMENT ASBESTOS MIDDLETON RD		1962	75				14.90	\$ 21,409	0%	7	\$ 21,409
8 VITRIFIED CLAY HWY 70 BYPASS		1969	75				10.24	\$ 21,859	0%		\$ 21,859
6 CEMENT ASBESTOS SHERARD CT		1976	75			\$ 2,816	5.41	\$ 15,236	0%		\$ 15,236
SEWER IMPROVEMENTS :	7,320	1996	75	\$ 98	\$ 2,538	\$ 4,782	2.31	\$ 11,051	0%	\$ -	\$ 11,051

Asset Description	Original Cost	Year Acquired	Design Life	Annual	Accumulated	Net Book Value	ENR Escalation	Gross Asset Value	% of Asset Contributed or	Contributed/ Excluded Assets	Net Asset Value
			(Years)	Depreciation	Depreciation		Factor	RCNLD	Excluded	Value	
8 CEMENT ASBESTOS RICHARD ST	.,	1979	75				4.33	\$ 13,517	0%	\$ -	+,
	\$ 7,359 \$ 7,370	1967 1973	75 75				12.10 6.86	\$ 23,738 \$ 17,516	0% 0%		\$ 23,738 \$ 17,516
	\$ 7,389	1973	75				6.43	\$ 17,108	0%		\$ 17,108
	\$ 7,453	1960	75	\$ 99			15.77	\$ 20,368	0%		\$ 20,368
	\$ 7,472	1976	75				5.41	\$ 15,633	0%	7	\$ 15,633
	\$ 7,500 \$ 7,507	2001 1953	75 75				2.05 21.65	\$ 11,062 \$ 13,004	0% 0%	· ·	\$ 11,062 \$ 13,004
	\$ 7,509	1963	75				14.42	\$ 23,098	0%		\$ 23,098
8 TERRACOTTA PIPE PRINCE		1955	75	\$ 102			19.68	\$ 15,991	0%	· ·	\$ 15,991
201 FACILITIES S		1989	75				2.82	\$ 12,178	0%		\$ 12,178
15 PORTLAND CEMENT HOWELL BR O/F \$ 15 RCP HOWELL BR 15 O/F \$		1972 1972	75 75				7.41 7.41	\$ 19,091 \$ 19,091	0% 0%		\$ 19,091 \$ 19,091
8 VITRIFIED CLAY STADIUM ST.		1964	75				13.88	\$ 24,417	0%		\$ 24,417
8 VITRIFIED CLAY MULBERRY ST.	\$ 7,826	1970	75	\$ 104	\$ 5,426	\$ 2,400	9.41	\$ 22,577	0%	\$ -	\$ 22,577
	\$ 7,893	1967	75				12.10	\$ 25,461	0%		\$ 25,461
10 CEMENT ASBESTOS 117 SOUTH \$ 16 CEMENT ASBESTOS FRANKLIN ST	, ,,,,,,,,	1979 1974	75 75				4.33 6.43	\$ 14,625 \$ 18,467	0% 0%	1	\$ 14,625 \$ 18,467
8 VITRIFIED CLAY CLAIBORNE ST.	\$ 7,981	1964	75			\$ 1,809	13.88	\$ 25,109	0%	\$ -	\$ 25,109
8 VITRIFIED CLAY FEDELON TRAIL	\$ 8,021	1965	75	\$ 107	\$ 6,096	\$ 1,925	13.38	\$ 25,756	0%	•	\$ 25,756
	\$ 8,031	1970	75				9.41	\$ 23,169	0%	•	\$ 23,169
8 TERRACOTTA PIPE ROYALL AVE. \$ 8 VITRIFIED CLAY BANKS ST. \$		1971 1965	75 75				8.22 13.38	\$ 21,234 \$ 25,991	0% 0%	•	\$ 21,234 \$ 25,991
8 VITRIFIED CLAY 9TH ST.		1965	75				13.38	\$ 25,991	0%	Ÿ	\$ 25,991
6 CEMENT ASBESTOS WEAVER DR		1974	75	\$ 108	\$ 5,187	\$ 2,917	6.43	\$ 18,763	0%	7	\$ 18,763
8 CEMENT ASBESTOS W SLOCUMB	0,100	1960	75				15.77	\$ 22,218	0%	7	\$ 22,218
10 VITRIFIED CLAY PEACHTREE \$ 16 CEMENT ASBESTOS WORKMAN ST	0,101	1965 1974	75 75				13.38 6.43	\$ 26,109 \$ 18,847	0% 0%		\$ 26,109 \$ 18,847
	\$ 8,141	1974	75				9.41	\$ 23,486	0%	7	\$ 23,486
	\$ 8,151	1965	75				13.38	\$ 26,174	0%		\$ 26,174
	\$ 8,196	1957	75				17.94	\$ 19,609	0%		\$ 19,609
DITCH DESIGN SPRUCE \$ 16 CAST IRON OAK ST	\$ 8,200 \$ 8,246	1989 1957	75 75				2.82 17.94	\$ 12,927 \$ 19,729	0% 0%		\$ 12,927 \$ 19,729
8 VITRIFIED CLAY CARVER HEIGHTS	, -,	1965	75				13.38	\$ 26,537	0%	· ·	\$ 26,537
	\$ 8,345	1976	75				5.41	\$ 17,460	0%		\$ 17,460
	\$ 8,455	1967	75				12.10	\$ 27,273	0%		\$ 27,273
10 CEMENT ASBESTOS ASH ST STORM MONITORING SERVICES STORM SERVICES		1959 2014	75 75				16.30 1.32	\$ 22,161 \$ 10,060	0%		\$ 22,161 \$ 10,060
12 CAST IRON S		1957	75				17.94	\$ 20,435	0% 0%	<u>'</u>	\$ 20,435
10 TERRACOTTA PIPE PINE ST.		1968	75	\$ 114			11.25	\$ 26,903	0%		\$ 26,903
6 CEMENT ASBESTOS WHITFIELD DR		1972	75				7.41	\$ 21,307	0%		\$ 21,307
8 VITRIFIED CLAY HART CIRCLE \$ 8 TERRACOTTA PIPE CHESTNUT ST. \$		1971 1965	75 75	\$ 116 116			8.22 13.38	\$ 22,801 \$ 27,943	0% 0%		\$ 22,801 \$ 27,943
6 TRANS RIDGEWOOD DR		1962	75				14.90	\$ 25,995	0%		\$ 25,995
12 CAST IRON CENTER ST		1957	75				17.94	\$ 21,019	0%		\$ 21,019
6 CAST IRON QUAIL DRIVE		1956	75		, , ,	\$ 1,055	18.77	\$ 19,807	0%	•	\$ 19,807
8 TRUSS DAVID ST. STREET STREE	\$ 8,954 \$ 8,965	1981 1978	75 75		\$ 4,895 \$ 5,259	\$ 4,059 \$ 3,706	3.68 4.68	\$ 14,918 \$ 17,342	0% 0%	7	\$ 14,918 \$ 17,342
STONEY CREEK SEWER FLOW MONITORING	\$ 9,004	2001	75			\$ 6,483	2.05	\$ 13,280	0%	•	\$ 13,280
15 VITRIFIED CLAY HOWELL BR O/F		1969	75		\$ 6,409	\$ 2,661	10.24	\$ 27,238	0%	\$ -	\$ 27,238
24 REINFORCED CONCRETE PIPE STONEY CRK		1965	75				13.38	\$ 29,157	0%	•	\$ 29,157
8 VITRIFIED CLAY PEACHTREE ST. \$ 12 CEMENT ASBESTOS \$		1966 1964	75 75				12.75 13.88	\$ 29,343 \$ 28,903	0% 0%	•	\$ 29,343 \$ 28,903
8 VITRIFIED CLAY OVERBROOK DR.		1965	75				13.38	\$ 29,577	0%	Ψ	\$ 29,577
6 CEMENT ASBESTOS OLIVIA LANE	9 0,220	1972	75	\$ 123	\$ 6,147	\$ 3,073	7.41	\$ 22,777	0%	Ψ	\$ 22,777
6 2UNS ISLER STREET		1968	75				11.25	\$ 29,164	0%	7	\$ 29,164
WTP CONVERT VIDEO/ACCESS TO LENEL SEWER LINE ANNEX S		2015 1984	75 75				1.29 3.13	\$ 10,965 \$ 14,520	0% 0%	7	\$ 10,965 \$ 14.520
	\$ 9,393	1969	75				10.24	\$ 14,520	0%	7	\$ 28,352
10 CEMENT ASBESTOS INDUSTRY CRT	\$ 9,475	1976	75	\$ 126	\$ 5,811	\$ 3,664	5.41	\$ 19,824	0%	\$ -	\$ 19,824
	\$ 9,796	1972	75				7.41	\$ 24,200	0%		\$ 24,200
	\$ 9,806 \$ 9.814	1955 1970	75 75				19.68 9.41	\$ 20,589 \$ 28,313	0%	7	\$ 20,589 \$ 28,313
	\$ 9,869	1999	75				2.14	\$ 28,313 \$ 14,670	0% 0%	7	\$ 20,313
	\$ 10,067	1976	75	\$ 134			5.41	\$ 21,062	0%	<u>'</u>	\$ 21,062
	\$ 10,093	1970	75				9.41	\$ 29,118	0%		\$ 29,118
6 CEMENT ASBESTOS FORTE ST 6 CEMENT ASBESTOS HILLCREST DRIVE		1976	75				5.41	\$ 21,288	0%		\$ 21,288
6 CEMENT ASBESTOS HILLCREST DRIVE STATEMENT OF THE STATEMENT ASBESTOS HILLCREST DRIVE	-, -, -, -, -, -, -, -, -, -, -, -, -, -	1960 1953	75 75	\$ 137 S	\$ 8,476 \$ 9,462		15.77 21.65	\$ 28,020 \$ 17,816	0% 0%		\$ 28,020 \$ 17,816
	\$ 10,306	1968	75				11.25	\$ 32,458	0%	7	\$ 32,458

			Decign Life	Annual	Accumulated		ENR	Gross Asset Value	% of Asset	Contributed/	
Asset Description	Original Cost	Year Acquired	Design Life (Years)	Depreciation	Depreciation	Net Book Value	Escalation Factor		Contributed or Excluded	Excluded Assets Value	Net Asset Value
A VITRICIED OLAV DUAGE LA END		1000	75					RCNLD			
	\$ 14,964 \$ 15,008	1968 1969	75 75				11.25 10.24	\$ 47,129 \$ 45,070	0% 0%	7	\$ 47,129 \$ 45,070
	\$ 15,008	1967	75				12.10	\$ 49,247	0%		\$ 49,247
	\$ 15,463	2011	75				1.43	\$ 18,901	0%	7	\$ 18,901
10 CEMENT ASBESTOS GEORGE ST	\$ 15,575	1968	75				11.25	\$ 49,053	0%	\$ -	\$ 49,053
	\$ 15,592	1971	75				8.22	\$ 41,000	0%		\$ 41,000
	\$ 15,800	1986	75		7 .,		3.02	\$ 24,852	0%		\$ 24,852
	\$ 16,295	1957	75				17.94	\$ 38,987	0%		\$ 38,987
	\$ 16,333 \$ 16,820	1968 2018	75 75				11.25 1.17	\$ 51,440 \$ 18,695	0%		\$ 51,440 \$ 18,695
	\$ 16,929	1975	75				5.87	\$ 18,695 \$ 37,120	0% 0%	<u>'</u>	\$ 37,120
	\$ 17.099	1969	75				10.24	\$ 51,349	0%		\$ 51,349
	\$ 17,325	1966	75				12.75	\$ 55,957	0%		\$ 55,957
12 US 117 O/F	\$ 17,486	1958	75		\$ 14,921	\$ 2,565	17.12	\$ 43,898	0%	\$ -	\$ 43,898
MARYBETH PLACE 240'	\$ 18,000	2012	75				1.40	\$ 21,773	0%	\$ -	\$ 21,773
	\$ 18,114	1965	75				13.38	\$ 58,166	0%	· ·	\$ 58,166
	\$ 18,188	1979	75				4.33	\$ 33,572	0%	\$ -	\$ 33,572
	\$ 18,340 \$ 18,493	1982 1986	75 75				3.40 3.02	\$ 29,069 \$ 29,088	0%	\$ -	\$ 29,069 \$ 29,088
	\$ 18,493 \$ 18.700	1986	75				4.68	\$ 29,088	0%	Ψ	\$ 29,088
	\$ 18,788	1973	75				6.86	\$ 44.652	0%		\$ 44.652
	\$ 18,813	1974	75				6.43	\$ 43,558	0%	7	\$ 43,558
	\$ 18,821	1953	75		\$ 17,315		21.65	\$ 32,602	0%	\$ -	\$ 32,602
	\$ 18,967	1960	75				15.77	\$ 51,834	0%	•	\$ 51,834
10 111000 01100 011	\$ 18,969	1981	75				3.68	\$ 31,603	0%	•	\$ 31,603
	\$ 19,043	1974	75				6.43	\$ 44,091	0%		\$ 44,091
	\$ 19,251 \$ 19,470	1965 1974	75				13.38	\$ 61,817 \$ 45,079	0%		\$ 61,817
	\$ 19,470 \$ 19,907	1973	75 75				6.43	\$ 45,079 \$ 47,312	0% 0%		\$ 45,079 \$ 47,312
	\$ 20,081	2001	75				2.05	\$ 29,618	0%		\$ 29,618
	\$ 20,246	1968	75				11.25	\$ 63,764	0%		\$ 63,764
	\$ 20,307	1968	75		\$ 14,621	\$ 5,686	11.25	\$ 63,956	0%	\$ -	\$ 63,956
	\$ 20,379	1978	75				4.68	\$ 39,421	0%	\$ -	\$ 39,421
	\$ 20,409	1972	75				7.41	\$ 50,417	0%		\$ 50,417
	\$ 20,625	2013	75				1.36	\$ 24,699	0%		\$ 24,699
8 EX VITRIFIED CLAY W. CENT DIV 10 CEMENT ASBESTOS HWY 117 N	\$ 20,630 \$ 20,666	1968 1958	75 75				11.25 17.12	\$ 64,974 \$ 51,881	0%		\$ 64,974
CALIFORM RULE	\$ 20,000	2000	75				2.09	\$ 30,990	0% 0%	7	\$ 51,881 \$ 30,990
	\$ 21,058	1967	75				12.10	\$ 67,927	0%	<u>'</u>	\$ 67,927
	\$ 21,230	1989	75				2.82	\$ 33,468	0%		\$ 33,468
	\$ 21,314	1977	75	\$ 284			5.04	\$ 42,997	0%	\$ -	\$ 42,997
	\$ 21,340	1983	75				3.20	\$ 32,729	0%	\$ -	\$ 32,729
12 GEMENT MODEO 100 BETWEELT BETB	\$ 21,768	1968	75				11.25	\$ 68,558	0%		\$ 68,558
0 12/10/00/17/1 27/01/01:	\$ 22,140	1969	75				10.24	\$ 66,487	0%		\$ 66,487
10 00 111 011	\$ 22,283 \$ 22,625	1958 1974	75 75				17.12 6.43	\$ 55,940 \$ 52,384	0% 0%		\$ 55,940 \$ 52,384
	\$ 22,625	1974	75				2.82	\$ 52,384	0%	7	\$ 52,384 \$ 36,031
	\$ 23,094	1972	75				7.41	\$ 57,050	0%		\$ 57,050
	\$ 23,534	2017	75				1.21	\$ 26,578	0%		\$ 26,578
	\$ 23,720	1968	75	\$ 316		\$ 6,642	11.25	\$ 74,705	0%		\$ 74,705
THE GENERAL MODES TO STOCK TO	\$ 23,837	1967	75				12.10	\$ 76,891	0%		\$ 76,891
WATERCENESTATIO	\$ 23,894	1994	75				2.40	\$ 35,974	0%	-	\$ 35,974
THIS THE CONTRACTOR	\$ 24,383	1995	75				2.37	\$ 37,055	0%		\$ 37,055
	\$ 24,422 \$ 24.711	1980 1977	75 75				4.01 5.04	\$ 43,127 \$ 49.850	0%		\$ 43,127 \$ 49.850
	\$ 24,711 \$ 24,760	1977	75				3.40	\$ 49,850 \$ 39,245	0% 0%	-	\$ 49,850 \$ 39,245
	\$ 25,464	1983	75				3.20	\$ 39,054	0%		\$ 39,054
15 VITRIFIED CLAY ADAMSVILLE O/F	\$ 25,694	1966	75				12.75	\$ 82,987	0%	· ·	\$ 82,987
12 ASBESTOS CEMENT DIXIE TRAIL	\$ 26,067	1973	75		\$ 17,030		6.86	\$ 61,952	0%	· ·	\$ 61,952
	\$ 26,667	1967	75	\$ 356	\$ 19,556	\$ 7,111	12.10	\$ 86,020	0%		\$ 86,020
	\$ 26,870	1977	75		\$ 16,122		5.04	\$ 54,206	0%		\$ 54,206
MOEDELACT OF GRANTING GENERAL TELEFOLISETT	\$ 27,675		30		\$ 6,458		1.29	\$ 27,466	0%		\$ 27,466
	\$ 28,800 \$ 28,905	2005	50				1.74	\$ 33,164	0%		\$ 33,164
OT GET VILLE GLEGIUSET IN GOTHE	\$ 28,905 \$ 29,205	1974 1980	75 75				6.43 4.01	\$ 66,925 \$ 51,574	0%	<u>'</u>	\$ 66,925 \$ 51,574
	\$ 29,205	1980	75				6.43	\$ 51,574	0% 0%	Ψ	\$ 51,574 \$ 67,939
	\$ 29,343	1975	75				5.87	\$ 66,668	0%		\$ 66,668
	\$ 30,500	2016	30				1.26	\$ 30,661	0%	7	\$ 30,661
SEWER LINES	\$ 30,604	1996	75	\$ 408	\$ 10,609	\$ 19,995	2.31	\$ 46,203	0%	\$ -	\$ 46,203

Asset Description	Original Cost	Year Acquired	Design Life (Years)	Annual Depreciation	Accumulated Depreciation	Net Book Value	ENR Escalation Factor	Gross Asset Value	% of Asset Contributed or Excluded	Contributed/ Excluded Assets Value	Net Asset Value
16 CEMENT ASBESTOS 117 SOUTH	\$ 31,144	1967	75	\$ 415	\$ 22,839	\$ 8,305	12.10	\$ 100,462	0%	\$ -	\$ 100,462
UTILITY IMPROVEMENTS	\$ 31.305	2000	75		\$ 9,183	\$ 22,122	2.09	\$ 46.197	0%		\$ 46,197
WATER IMPROVEMENTS	\$ 31.543	2001	75		\$ 8,832	\$ 22,711	2.05	\$ 46.523	0%	•	\$ 46,523
16 CEMENT ASBESTOS STUART ST	\$ 31,643	1953	75		\$ 29,112	\$ 2,531	21.65	\$ 54,812	0%		\$ 54,812
CHANGE WATER LINES/CHESTNUT ST	\$ 31,778	2007	30		\$ 15,889	\$ 15,889	1.63	\$ 25,910	0%	\$ -	\$ 25,910
CAP PROJ EL BETHEL PROJECT	\$ 32,400	2005	50		\$ 11,016	\$ 21,384	1.74	\$ 37,310	0%	\$ -	\$ 37,310
16 CEMENT ASBESTOS JAMES ST	\$ 32,606	1974	75		\$ 20,868	\$ 11,738	6.43	\$ 75,494	0%	\$ -	\$ 75,494
12 CEMENT ASBESTOS WESTBROOK RD	\$ 33,088	1977	75		,	\$ 13,235	5.04	\$ 66,749	0%		\$ 66,749
12 CEMENT ASBESTOS J P STEVENS EXT	\$ 33,393	1969	75		,	\$ 9,795	10.24	\$ 100,281	0%		\$ 100,281
SCADA SYSTEM	\$ 33,741	2001	75		Ŧ -,	\$ 24,293	2.05	\$ 49,764	0%		\$ 49,764
18 REINFORCED CONCRETE PIPE HOWELL BR	\$ 35,494	1967	75		7,	\$ 9,465	12.10	\$ 114,494	0%		\$ 114,494
PETITIONED SEWER LINES	\$ 36,996	2001	75			\$ 26,637	2.05	\$ 54,566	0%		\$ 54,566
HUNTINGRIDGE PUMP STN	\$ 37,250 \$ 37,434	2007	30 75			\$ 18,625 \$ 32,443	1.63 1.40	\$ 30,371	0%		\$ 30,371
CITYWORKS LICENSING/SYSTEM IMPLEMENTATION-SOFTWARE DICK'S SPORTING GOODS 528'	\$ 37,434	2012 2015	75		Ψ 1,001		1.40	\$ 45,281 \$ 46,478	0%	7	\$ 45,281 \$ 46,478
18 REINFORCED CONCRETE PIPE HOWELL BR	\$ 39,600	1968	75				11.25	\$ 125,006	0%		\$ 125,006
24 REINFORCED CONCRETE PIPE HOWELL BR O/F WMD	\$ 39,781	1965	75				13.38	\$ 127,741	0% 0%	<u>'</u>	\$ 127,741
PETITIONED WATER LINES	\$ 40.822	2001	75				2.05	\$ 60,208	0%		\$ 60,208
SEWER LINES	\$ 41,518	2001	75				2.05	\$ 61,235	0%		\$ 61,235
WATER SYSTEM @ O'BERRY CENTER PROJ	\$ 42,381	2012	30				1.40	\$ 39,434	0%		\$ 39,434
OXFORD PLANTATION SITE-920' 8 PVC	\$ 43,240	2016	75			\$ 39,781	1.26	\$ 49,988	0%		\$ 49,988
POLY TRIPLEX LINER SYS.	\$ 44,150	2006	30	\$ 1,472	\$ 23,546	\$ 20,603	1.68	\$ 34,532	0%	\$ -	\$ 34,532
6 PVC FM NC 581-B PERKINS	\$ 44,164	1982	75	\$ 589	\$ 23,554	\$ 20,610	3.40	\$ 70,001	0%	\$ -	\$ 70,001
SEWER IMPROVEMENTS	\$ 44,559	1997	75	\$ 594	\$ 14,853	\$ 29,706	2.23	\$ 66,253	0%	\$ -	\$ 66,253
SUB-DIV WATER/SEWER	\$ 45,331	1984	75	\$ 604	\$ 22,968	\$ 22,363	3.13	\$ 70,076	0%	\$ -	\$ 70,076
NEWSOME SUB	\$ 45,377	1972	75	\$ 605	\$ 30,251	\$ 15,126	7.41	\$ 112,097	0%	\$ -	\$ 112,097
DEACON JONES FORD NISSAN KIA 980' 8PVC	\$ 46,060	2017	75				1.21	\$ 52,018	0%		\$ 52,018
PROCUREMENT OF WATER LINES-BELFAST/PATETOWN SAN. DIST.	\$ 47,356	2000	75				2.09	\$ 69,884	0%		\$ 69,884
SCADA SYSTEM	\$ 48,005	2014	75				1.32	\$ 56,813	0%	· ·	\$ 56,813
LOCKHAVE & NORWOOD 1023' LAF GROUP PROPERTY	\$ 48,081	2013	75				1.36	\$ 57,579	0%		\$ 57,579
ASSET MAINTENANCE MGMT	\$ 49,834	2013	75				1.36	\$ 59,679	0%		\$ 59,679
CENTER/HOLLY WATER TOWER SPIRE SECTIONAL	\$ 49,950	2017	30				1.21	\$ 50,367	0%		\$ 50,367
10 CEMENT ASBESTOS SPENCE AVE	\$ 50,328	1980	75				4.01	\$ 88,875	0%		\$ 88,875
8 VITRIFIED CLAY HIGHLAND EST 36 REINFORCED CONCRETE PIPE STONEY CRK	\$ 51,148 \$ 52.815	1973 1965	75 75				6.86 13.38	\$ 121,561 \$ 169,594	0%		\$ 121,561 \$ 169,594
BALSAM PLACE 705' 8 PVC	\$ 52,875	2016	75				1.26	\$ 169,594 \$ 61,126	0%		
NORWOOD STREET PUMP STATION UPGRADE	\$ 53,949	2002	75				1.99	\$ 78,614	0%		\$ 61,126 \$ 78,614
FIBER INSTALLATION FOR WRF	\$ 54.081	2017	75				1.21	\$ 61,077	0% 0%		\$ 61,077
16 CEMENT ASBESTOS PHASE II	\$ 54.186	1974	75	\$ 722			6.43	\$ 125,458	0%		\$ 125,458
12 CEMENT ASBESTOS 117 BYPASS	\$ 54,230	1965	75	\$ 723			13.38	\$ 174,138	0%		\$ 174,138
12 CEMENT ASBESTOS 70 BYPASS	\$ 54.565	1971	75				8.22	\$ 143,481	0%		\$ 143,481
15 VITRIFIED CLAY SAN SWR O/F	\$ 55,000	1975	75		\$ 34,467	\$ 20,533	5.87	\$ 120,597	0%		\$ 120,597
12 CEMENT ASBESTOS ELEVENTH ST	\$ 55,917	1974	75		\$ 35,787	\$ 20,130	6.43	\$ 129,466	0%		\$ 129,466
STORM SEWER IMPROVEMENTS	\$ 56,192	1989	75				2.82	\$ 88,583	0%	\$ -	\$ 88,583
201 FACILITIES PLAN	\$ 58,359	1984	75				3.13	\$ 90,215	0%	\$ -	\$ 90,215
WATER IMPROVEMENTS	\$ 58,979	2001	75				2.05	\$ 86,988	0%	\$ -	\$ 86,988
16 CEMENT ASBESTOS MADISON AVE	\$ 60,464	1974	75				6.43	\$ 139,994	0%	•	\$ 139,994
SPENCE/BEST SEWER	\$ 60,601	1997	75				2.23	\$ 90,105	0%	•	\$ 90,105
10 CEMENT ASBESTOS BERKELEY MALL	\$ 60,708	1977	75				5.04	\$ 122,468	0%		\$ 122,468
HUNTINGRIDGE PUMP STN	\$ 61,274	2006	30				1.68	\$ 47,926	0%		\$ 47,926
CITYWORKS SYSTEM IMPLEMENTATION/PLANNING-SOFTWARE	\$ 62,500 \$ 62,866	2012 1961	75 75				1.40	\$ 75,601	100%	\$ 75,601 \$ -	
24 CAST IRON WATER PLANT WILSHIRE WAY 1339'	\$ 62,866	2012	75				15.34 1.40	\$ 179,995 \$ 76,125	0%	7	\$ 179,995 \$ 76,125
18 VITRIFIED CLAY RICHLAND CRK O/F	\$ 62,933	1967	75				12.10	\$ 203,114	0%	•	\$ 76,125 \$ 203,114
NEW HARE ROAD 1348'	\$ 63,356	2012	75				1.40	\$ 76,637	0%	· ·	\$ 76,637
HOUSE STREET PUMP STATION UPGRADE	\$ 63,825	2003	75				1.94	\$ 92,482	0% 0%		\$ 92,482
SEWER IMPROVEMENTS	\$ 64.397	2001	75				2.05	\$ 94,979	0%		\$ 94,979
WALMART@TOMMY'S RD 867'	\$ 65.025	2015	75				1.29	\$ 76,319	0%		\$ 76,319
8 TRUSS S. JOHN ST.	\$ 65.582	1981	75				3.68	\$ 109.263	0%		\$ 109,263
18 VITRIFIED CLAY	\$ 66,430	1977	75				5.04	\$ 134,011	0%		\$ 134,011
WASTE TREATMENT UPGRADES	\$ 67,314	2016	75				1.26	\$ 77,818	0%		\$ 77,818
RELOCATION OF SEWER LINE(SALEM/NAHUNTA)	\$ 68,284	2008	30				1.56	\$ 56,936	0%		\$ 56,936
20 CAST IRON FORCE MAIN WEST SIDE O/F	\$ 69,004	1965	75				13.38	\$ 221,579	0%		\$ 221,579
VALVE REPLACEMENTS	\$ 69,273	1997	75		\$ 23,091	\$ 46,182	2.23	\$ 102,999	0%	\$ -	\$ 102,999
24 CEMENT ASBESTOS SALEM CHURCH ROAD	\$ 70,089	1971	75				8.22	\$ 184,302	0%	\$ -	\$ 184,302
WAYNE WATER BLDG-COMMERCIAL DR 946'	\$ 70,950	2013	75				1.36	\$ 84,966	0%		\$ 84,966
SUB-STANDARD WL REPL	\$ 71,398	1989	75				2.82	\$ 112,555	0%		\$ 112,555
WAYNE WATER BLDG- COMMERCIAL DR 1525'	\$ 71,675	2013	75				1.36	\$ 85,834	0%		\$ 85,834
HARRIS ST. WATER TANK IMPROVEMENTS	\$ 71,795	2000	75				2.09	\$ 105,949	0%		\$ 105,949
NEW HARE ROAD 992'	\$ 74,400	2012	75	\$ 992	\$ 9,920	\$ 64,480	1.40	\$ 89,996	0%	\$ -	\$ 89,996

Asset Description	Original Cost	Year Acquired	Design Life (Years)	Annual Depreciation	Accumulated Depreciation	Ne	t Book Value	ENR Escalation Factor	Gro	oss Asset Value	% of Asset Contributed or Excluded	ontributed/ uded Assets Value	Net Asset Value
CIP-FY20 S1105 GOLDENLEAF SEWER & STMWTR INFRAS GRANT	\$ 446,328	2020	99	\$ -	\$ -	\$	446,328	1.13	\$	505,576	100%	\$ 505,576 \$	-
CIP-FY20 W1111 WATER LN & BOOSTER PUMP D#034-E WIF-1938	\$ 195,216	2020	99	\$ -	\$ -	\$	195,216	1.13	\$	221,130	100%	\$ 221,130 \$	-
CIP-FY20 W1112 PLATE SETTLERS D#035-E WIF-1942	\$ 114,990	2020	99	\$ -	\$ -	\$	114,990	1.13	\$	130,254	0%	\$ - \$	130,254
FY21 S1102 Ph IV SRF D#036E	\$ 1,264,125	2021	99	\$ -	\$ -	\$	1,264,125	1.07	\$	1,353,502	0%	\$ - \$	1,353,502
FY21 S1103 SEWER REHAB (BIG DITCH) D#033-E	\$ 473,214	2021	99	\$ -	\$ -	\$	473,214	1.07	\$	506,672	0%	\$ - \$	506,672
FY21 S1104 2010 SEWER BONDS D#001-E	\$ 301,777	2021	99	\$ -	\$ -	\$	301,777	1.07	\$	323,114	100%	\$ 323,114 \$	-
FY21 S1105 GOLDENLEAF INFRASTRUCTURE (COMPLETE FY21)	\$ 149,888	2021	99	\$ -	\$ -	\$	149,888	1.07	\$	160,486	100%	\$ 160,486 \$	-
FY21 W1111 WATER LINES/BOOSTER PUMP D#034-E	\$ 70,197	2021	99	\$ -	\$ -	\$	70,197	1.07	\$	75,160	100%	\$ 75,160 \$	-
FY21 W1112 PLATE SETTLERS (COMPLETE FY22) D#035-E	\$ 1,367,933	2021	99	\$ -	\$ -	\$	1,367,933	1.07	\$	1,464,650	100%	\$ 1,464,650 \$	-
CIP-FY19 Utility Improvements-NCDOT Proj U-2714	\$ 7,572	2019	99	\$ -	\$ -	\$	7,572	1.15	\$	8,720	100%	\$ 8,720 \$	-
CIP-FY19 Water Tank Painting	\$ 312,405	2019	99	\$ -	\$ -	\$	312,405	1.15	\$	359,763	100%	\$ 359,763 \$	-
D#037 GE 2020 CHEVY SILVERADO 1500 2WD TRUCK	\$ 23,258	2020	99	\$ -	\$ -	\$	23,258	1.13	\$	26,345	100%	\$ - \$	-
D#037 GE 2020 FORD F-450 SUPER CAB V#8761	\$ 61,385	2020	99	\$ -	\$ -	\$	61,385	1.13	\$	69,534	100%	\$ - \$	-
WIP-NCDOT CENTRAL HEIGHTS ROAD REALIGNMT (UTIL RELO COSTS)	\$ 27,876	2020	99	\$ -	\$ -	\$	27,876	1.13	\$	31,576	100%	\$ - \$	-
WIP-NEUSE RIVER CAP SEC 1135 WEIR PROJECT USACE	\$ 645,000	2020	99	\$ -	\$ -	\$	645,000	1.13	\$	730,620	100%	\$ 730,620 \$	-
WIP-CENTER & HOLLY STREET PAINT/REPAIR	\$ 849,065	2020	99	\$ -	\$ -	\$	849,065	1.13	\$	961,773	100%	\$ 961,773 \$	-
WIP-WASTEWATER COLLECTION SYSTEM MODELING	\$ 107,185	2020	99	\$ -	\$ -	\$	107,185	1.13	\$	121,413	0%	\$ - \$	121,413
WIP-FY21 NEUSE RIVER CAP SEC 1135 WEIR PROJECT-EASEMENT	\$ 23,000	2021	99		\$ -	\$	23,000	1.07	\$	24,626	0%	\$ - \$	24,626
SEWER CAPACITY-FREMONT 300K GAL @ \$2.29 GAL RES2019-91	\$ -	2020	75	\$ -	\$ -	\$	-	1.13	\$	-	100%	\$ - \$	-
			0			\$	-	0.00	\$	-		\$ - \$	-
						\$	-						
	\$ 191,350,923	·		\$ 4,514,259	\$ 78,584,908	\$	112,766,015		\$	233,302,484		\$ 13,676,341 \$	218,091,484

	Function	Gros	s RCNLD Asset Value	 ontributed or n-Core Assets	Ne	t RCNLD Asset Value	% of Total	All	ocated Admin Costs	Net Asset Value + Allocated Admin
Water	Source/Treatment	\$	46,214,121	\$ 1,839,746	\$	44,374,375	20.96%	\$	1,334,182	\$ 45,708,557
Water	Transmission/ Distribution	\$	41,218,586	\$ 6,140,216	\$	35,078,370	16.57%	\$	1,054,684	\$ 36,133,054
Sewer	Treatment	\$	86,010,156	\$ 315,406	\$	85,694,750	40.47%	\$	2,576,541	\$ 88,271,291
Sewer	Conyenance/ Collection	\$	47,534,953	\$ 956,813	\$	46,578,141	22.00%	\$	1,400,442	\$ 47,978,582
Total		\$	220,977,817	\$ 9,252,181	\$	211,725,636	100%	\$	6,365,848	\$ 218,091,484

Check \$ -

Functional Component:	Sou	ırce/Treatment	ransmission/ Distribution	Total
Gross Plant in Service Value	\$	47,548,303	\$ 42,273,270	\$ 89,821,57
Gross System Value	\$	47,548,303	\$ 42,273,270	\$ 89,821,57
Less:				
Principal Credit	\$	3,671,808	\$ 3,264,456	\$ 6,936,26
Specific Asset Contributions/Exclusions		1,839,746	6,140,216	7,979,96
General Allowance for Asset Contributions/Exclusions		-	-	
Grants		-	-	
Net System Value	\$	42,036,749	\$ 32,868,598	\$ 74,905,34
Capacity Million Gallons Per Day (MGD) Level of Service (gpd) Equivalent Residential Units		14.00 360 38,889	14.00 360 38,889	
Initial Capacity Cost per ERU	\$	1,081	\$ 845	\$ 1,92
Allowance for Contingency Percentage of Full Cost Recovery Escalation Factor to Effective Year	\$	1,081	\$ 845 [\$ 1,92 100.00 0.00
Calculated Fee per ERU	\$	1,081	\$ 845	\$ 1,92
Current Fee per ERU		-	-	
Dollar Change				\$ 1,92

Functional Component:	-	Treatment	onyenance/ Collection	Total
Gross Plant in Service Value	\$	88,586,697	\$ 48,935,395	\$ 137,522,092
Gross System Value	\$	88,586,697	\$ 48,935,395	\$ 137,522,092
Less:				
Principal Credit	\$	10,706,561	\$ 5,914,317	\$ 16,620,878
Specific Asset Contributions/Exclusions		315,406	956,813	1,272,219
General Allowance for Asset Contributions/Exclusions		-	-	
Grants		-	-	
Net System Value	\$	77,564,729	\$ 42,064,265	\$ 119,628,994
Million Gallons Per Day (MGD) Level of Service (gpd)		14.20 360	14.20 360	
Equivalent Residential Units		39,444	39,444	
Initial Capacity Cost per ERU	\$	1,966	\$ 1,066	\$ 3,032
Allowance for Contingency Percentage of Full Cost Recovery Escalation Factor to Effective Year	\$	1,966	\$ 1,066	\$ 3,032 100.00° 0.00°
Calculated Fee per ERU Current Fee per ERU	\$	1,966	\$ 1,066	\$ 3,032
Dollar Change				\$ 3,032
Dollar Orlange				

Fee Summary Schedule 5

	Water Buy-In										
Meter Size	Max Flow Rates (GPM)	AWWA Meter Equivalents	Calculated System Development Fee								
3/4"	30	1.00	\$1,926								
1"	50	1.67	\$3,210								
1.5"	100	3.33	\$6,420								
2"	160	5.33	\$10,272								
3"	350	11.67	\$22,470								
4"	630	21.00	\$40,446								
6"	1,300	43.33	\$83,460								
8"	2,800	93.33	\$179,760								
10"	4,200	140.00	\$269,640								

	Sewer Buy-In										
Meter Size	AWWA Meter Equivalents	Calculated System Development Fee									
3/4"	1.00	\$3,032									
1"	1.67	\$5,053									
1.5"	3.33	\$10,107									
2"	5.33	\$16,171									
3"	11.67	\$35,373									
4"	21.00	\$63,672									
6"	43.33	\$131,387									
8"	93.33	\$282,987									
10"	140.00	\$424,480									

Combined	Buy-In

Meter Size	Calculated System Development Fee
3/4"	\$4,958
1"	\$8,263
1.5"	\$16,527
2"	\$26,443
3"	\$57,843
4"	\$104,118
6"	\$214,847
8"	\$462,747
10"	\$694,120