



TOWN OF RIVER BEND

1981

NORTH CAROLINA

Town of River Bend

Fiscal Year
2023-2024
Budget Workshop

Session III



This presentation and all of the previous presentations for the FY23-24 budget workshops are available on the Town's webpage at:

www.riverbendnc.org

Town of River Bend

Mayor and Town Council Priorities for Fiscal Year 2023-24 (approved 1-19-23)

Our Vision Statement

River Bend is a dynamic and uniquely located waterfront and golfing community well prepared to benefit from the area's historical and natural resources. By protecting its assets and actively fostering a diverse multi-aged population, the River Bend community will continue to be a safe, attractive place to live and will be competitively positioned to participate in the broader area's economic and population growth.

Maintain a commitment to the Council-Manager form of government, and to support an adequate and well-trained staff to serve the current and future needs of the community.

Continue to cooperate regionally and with other municipalities and, where appropriate, share ideas and resources.

Continue to work with advisory boards as a means to encourage citizen participation in Town government.

Continue to be good stewards of the natural environment through planned stormwater and floodplain management efforts.

Continue to employ sound fiscal management practices to ensure the long-term financial viability of the Town.

Continue to operate wastewater treatment facilities to maintain regulatory compliance and serve the current and future needs of the Town.

Continue to provide a safe, dynamic, and attractive community for people of all ages, and continue to address the changing demographic composition of the Town.

Maintain a visionary posture, acknowledging that change is inevitable.

Continue to conduct the business of the Town with complete transparency and integrity.

Continue to provide safe drinking water and quality treatment of wastewater through sound maintenance of the current systems and continued prudent fiscal management of the utilities.

Changes Since Last Meeting

Town of River Bend

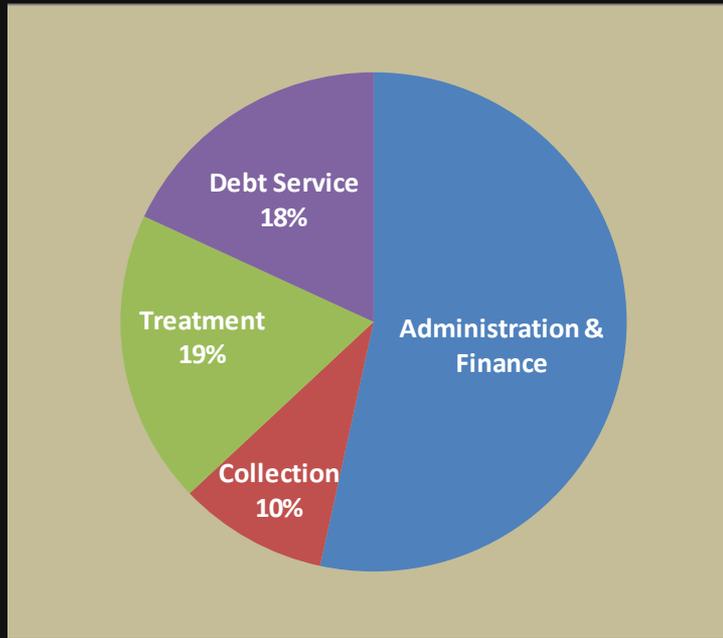
Fiscal Year 2023-2024 Budget Workshop

May 9, 2023

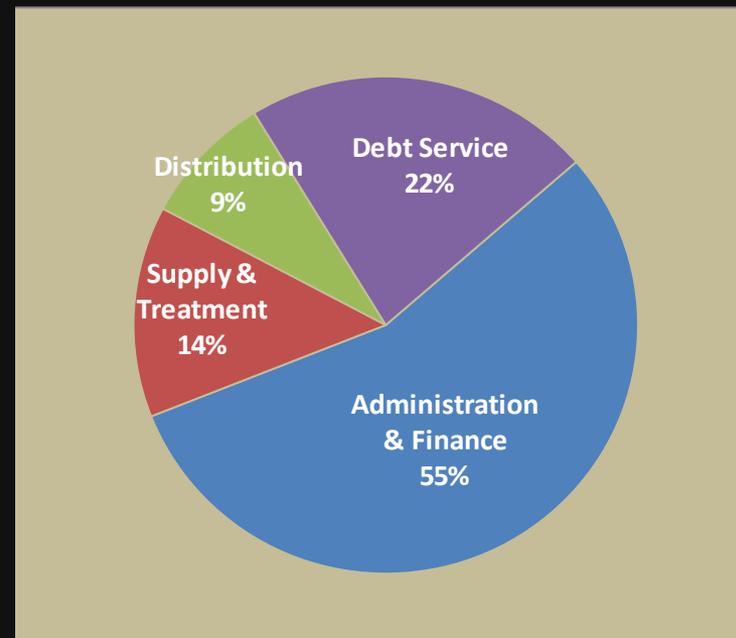
- 25. Water and Sewer Fund Cash Levels**
- 26. Water Fund Departments**
- 27. Sewer Fund Departments**
- 28. Utility Financial Model**
- 29. Water and Sewer Revenue/Expense**

Our Enterprise Funds are the Water & Sewer Funds Each one is operated separately

SEWER



WATER



Each has 3 departments and each has debt service. These charts show the percentage of FY 23-24 spending that each area represents. No general fund revenues support these funds. Debt service is paid from the Administration & Finance Department in both funds, but for illustrative purposes, debt service is shown separately in the charts.

Enterprise Fund Debt Service

Payment Date	Debt Service on Series 2013 Refunding Bonds				Debt Service Requirement
	Principal	Rate	Interest	Total	
6/1/2013		0.00%	15,043	\$ 15,043	\$ 188,542.92
12/1/2013	\$ 2,960,000	0.00%	34,275	\$ 34,275	38,650.00
6/1/2014	25,000	2.00%	34,275	\$ 59,275	238,650.00
12/1/2014	\$ 2,935,000	0.00%	34,025	\$ 34,025	34,025.00
6/1/2015	205,000	2.00%	34,025	\$ 239,025	239,025.00
12/1/2015	\$ 2,730,000	0.00%	31,975	\$ 31,975	31,975.00
6/1/2016	205,000	2.00%	31,975	\$ 236,975	236,975.00
12/1/2016	\$ 2,525,000	0.00%	29,925	\$ 29,925	29,925.00
6/1/2017	215,000	2.00%	29,925	\$ 244,925	244,925.00
12/1/2017	\$ 2,310,000	0.00%	27,775	\$ 27,775	27,775.00
6/1/2018	215,000	2.00%	27,775	\$ 242,775	242,775.00
12/1/2018	\$ 2,095,000	0.00%	25,625	\$ 25,625	25,625.00
6/1/2019	220,000	2.00%	25,625	\$ 245,625	245,625.00
12/1/2019	\$ 1,875,000	0.00%	23,425	\$ 23,425	23,425.00
6/1/2020	225,000	2.00%	23,425	\$ 248,425	248,425.00
12/1/2020	\$ 1,650,000	0.00%	21,175	\$ 21,175	21,175.00
6/1/2021	235,000	2.00%	21,175	\$ 256,175	256,175.00
12/1/2021	\$ 1,415,000	0.00%	18,825	\$ 18,825	18,825.00
6/1/2022	240,000	2.00%	18,825	\$ 258,825	258,825.00
12/1/2022	\$ 1,175,000	0.00%	16,425	\$ 16,425	16,425.00
6/1/2023	240,000	2.00%	16,425	\$ 256,425	256,425.00
12/1/2023	\$ 935,000	0.00%	14,025	\$ 14,025	14,025.00
6/1/2024	235,000	3.00%	14,025	\$ 249,025	249,025.00
12/1/2024	\$ 700,000	0.00%	10,500	\$ 10,500	10,500.00
6/1/2025	230,000	3.00%	10,500	\$ 240,500	240,500.00
12/1/2025	\$ 470,000	0.00%	7,050	\$ 7,050	7,050.00
6/1/2026	235,000	3.00%	7,050	\$ 242,050	242,050.00
12/1/2026	\$ 235,000	0.00%	3,525	\$ 3,525	3,525.00
6/1/2027	235,000	3.00%	3,525	\$ 238,525	238,525.00
Totals	\$ -	\$ 2,960,000	612,143	\$ 3,572,143	\$ 3,929,392.92

This chart shows our bond debt service amounts for FY 24 (highlighted) and future years.

Enterprise Funds – Debt Service – Refunded Debt

Bond Issue

AMOUNT	PERCENT	FUND
1,588,384	53.6616%	Water
1,371,616	46.3384%	Sanitary Sewer
2,960,000	100.0000%	

This General Obligation Bond is used to finance the purchase of the Water and Sewer systems from Carolina Water Service.

Fiscal Year 2023-24 Debt Obligations Summary										
Year Issued	Project	Loan Type	Amount Issued	Fiscal Year Retired	Interest Rate	Debt as of 7/1/2023	FY 23-24 Principal	FY 23-24 Interest	Total Payment	Debt as of 6/30/2024
Water Fund										
2013*	Purchase of Water System	General Obligation Bond	1,588,384	2027	2 -3 % **	501,687	126,105	15,052	141,157	375,582
	Remaining Water Debt at end of Fiscal Year		375,582							
Sewer Fund										
2013*	Purchase of Sewer System	General Obligation Bond	1,371,616	2027	2 -3 % **	433,313	108,895	12,998	121,893	324,418
	Remaining Sewer Debt at end of Fiscal Year		324,418							
					TOTAL	935,000				\$ 700,000
** Rate changes per schedule										
* 1997 and 2000 USDA debt refinanced with bonds in FY2005; savings of \$2.4 million.										
Series 2004 bonds refunded in FY2013 - savings of \$300,000.										

Enterprise Fund Debt



For every dollar proposed to be spent in the Enterprise Fund, about 20¢ goes toward retirement of bond debt for the purchase of the water and sewer systems. In addition to the bond debt, the water fund also has \$6,516 in debt service for the 0% loan associated with the water meter replacement project. This will be year of 2 of 20 for that debt.

Debt as a Percentage of Total Expense in FY 23-24

Water = 25% (\$141,157)

Sewer = 19% (\$121,893)

TOTAL \$263,050

Both mature in 2027

Enterprise Fund Summary

(after the same variables as discussed in the General Fund are applied)

- Represents an overall 2.93% increase in spending over last year including transfers (+\$37,934)
- No fee or rate increase
- Maintains all current programs and services
- Funds all employee compensation costs as discussed in General Fund
- Provides funding for \$269,566 for debt service
- Includes \$28,404 for water tank maintenance contract
- Includes \$90,603 of appropriated fund balance in water (+52% vs. budgeted in FY23, excluding transfer to PW project)
- Includes \$13,600 funding for equipment purchases
- Includes \$18,256 of appropriated fund balance in Sewer Fund (-70% vs. budgeted in FY23, excluding transfer to PW project)
- Includes \$27,000 in CIP funding and \$23,000 in capital spending
- Anticipates start of WWTP project

Quick Comparison of FY23 vs. FY24 Combined Water and Sewer Funds

These figures include transfers to capital reserves						
	Current	Proposed	Change %	\$	Bond Debt Service	
Water	613,241	655,000	6.81%	41,759	141,157	
Sewer	682,525	678,700	-0.56%	(3,825)	121,893	
Total	1,295,766	1,333,700	2.93%	37,934	263,050	

Water Capital Improvement Plan (CIP)

CAPITAL IMPROVEMENT PLAN								
Water Fund		Reset						
		2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2033
Appropriation: Annual		745,811	20,000	9,413,000	40,000	40,000	50,000	100,000
Appropriation: Well pump		0	0					
Appropriation: Vehicles (50/50 W/S)		3,500	3,500	3,500	3,500	3,500	4,000	20,000
FY Appropriation:		\$ 749,311	\$ 23,500	\$ 9,416,500	\$ 43,500	\$ 43,500	\$ 54,000	\$ 120,000
Capital Projects	Project Completed							
<i>Administration:</i>								
Vehicle Replacement (split Water/Sewer)	Per schedule							31,000
Equipment-backhoe (split with water and general)								
<i>Treatment</i>								
Well #1 Filter Media Rehab	09-10	13,000						17,000
Well #2 Filter Media Rehab					15,000			
Treatment House interior filter painting								
Well #3 Filter Media Rehab	10-11							17,000
Well #1 Pump Replacement	13-14		23,000					
Water Treatment Improvements				9,393,000				
AMR/AMI Meter Replacement		732,811						
<i>Distribution</i>								
Line Replacement	12-13							
Howell Center and Riverstone Backflow								
Harbourwalk Line Replacement								
New Bern Interconnection							140,000	
Industrial Meter Replacement						5,000		
Lines & Tanks								
FY Expenditures:		745,811	23,000	9,393,000	15,000	5,000	140,000	65,000
		2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2032
Ending Balance		\$ 645	\$ 1,145	\$ 24,645	\$ 53,145	\$ 91,645	\$ 5,645	\$ 60,645

Sewer Capital Improvement Plan (CIP)

CAPITAL IMPROVEMENT PLAN Sewer Fund		Reset						
		2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2033
Appropriation: Annual		0	9,108,500	20,000	35,000	35,000	40,000	297,500
Appropriation: Vehicles (50/50 W/S)		3,500	3,500	3,500	3,500	3,500	4,000	20,000
FY Appropriations:		\$ 3,500	\$ 9,112,000	\$ 23,500	\$ 38,500	\$ 38,500	\$ 44,000	\$ 317,500
Capital Projects	Project Completed							
<i>Administration:</i>								
Vehicle Replacement (split Water/Sewer)	Per schedule							31,000
Equipment-Backhoe(split with water and general)								
<i>Collection:</i>								
Upgrade Main Lift Station	13-14			25,000				
Upgrade Lift Station/Manholes/Pumps								
Backup Generator						40,000		
<i>Treatment:</i>								
Unit #1 Clarifier Skimmer Replacement		20,000						
Diverter Boxes								
Unit #2 Clarifier Repair	14-15							
Soft start for WWTP blowers/blower motor								
WWTP Lift Station repair	15-16							30,000
Surge Tank rehab								
WWTP Enhancements			9,108,500					
FY Expenditures:		20,000	9,108,500	25,000				
		2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2032
Ending Balance		\$ 645	\$ 4,145	\$ 2,645	\$ 41,145	\$ 39,645	\$ 83,645	\$ 340,145

Capital and Other Significant Projects

Water

Water Tank Maintenance	28,404
Diaphragm Pump	2,600
Fire Hydrant	3,270
Pump Replacement	<u>23,000</u>
TOTAL	\$57,274

Sewer

Blower Maintenance	9,700
Utility Trailer	11,000
Sludge Hauling	<u>35,000</u>
TOTAL	\$55,700

Water Operations

Water – System “Snapshot”

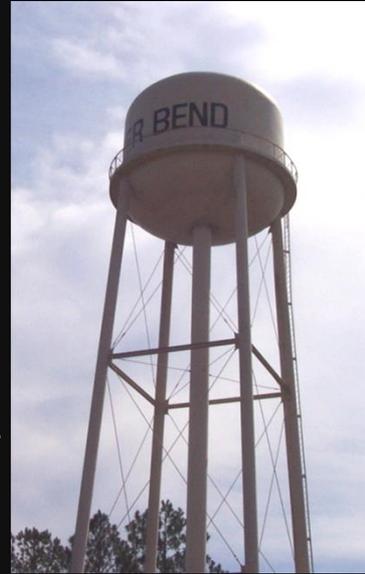
Three groundwater wells with a combined capacity of 925,000 gallons per day.

Two elevated storage tanks with a combined capacity of 400,000 gallons.

In FY 2022 we treated 99,059,000 gallons of water (average of 271,464 gallons per day).

Water is transmitted to 1,473 current users (meters) through 19 miles of pipe ranging in size from 2 to 8 inches in diameter.

There are 109 hydrants located throughout the system in order to give the fire department ample access to water for their work.



Water Admin & Finance Page 1 of 2 60-7125		19-20		20-21		21-22		22-23			23-24
		Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget 03/10/23	Expend. as of 02/28/23	Projected Year-End	Proposed Budget
121	Wages & Salaries	101,487	100,579	106,687	109,652	111,025	108,374	114,440	74,152	112,627	124,813
122	Overtime	1,000	248	1,001	268	1,000	921	1,000	331	1,000	1,000
134	401(k) Retirement	4,944	5,099	5,195	5,493	5,184	5,381	5,447	3,660	5,681	5,820
181	FICA	7,565	7,722	7,948	8,323	7,932	8,427	8,614	5,680	8,692	9,229
182	Loc Govt Emp Retirement	9,263	9,127	11,006	11,151	12,252	11,923	13,182	8,856	13,749	15,534
183	Group Insurance	18,736	13,578	16,164	13,331	16,601	11,597	16,002	9,954	17,049	16,172
185	Unemployment Comp.	0	5	0	9	0	99	0	0	0	0
186	Workers' Compensation Ins.	3,140	3,365	3,315	3,106	3,412	2,669	3,408	3,067	3,067	3,663
310	Travel & Subsistence	850	46	500	54	500	58	500	64	250	500
395	Training	1,000	155	647	0	600	434	600	1,380	1,380	600
191	Auditing Service	4,667	4,667	5,567	5,567	5,667	4,833	5,733	0	5,733	8,000
192	Professional Service - Legal	1,000	1,897	1,000	2,449	1,000	1,922	1,000	1,386	1,386	1,000
193	Engineering Services	1,000	0	500	0	4,494	0	4,494	0	0	2,000
381	Other IT Services	500	1,429	920	2,699	3,799	4,148	992	698	1,030	2,168
382	Banking Services	1,610	874	988	1,219	1,243	1,316	1,243	947	1,423	1,482
393	Temporary Help Services	0	0	0	0	0	0	0	0	0	0
399	Contracted Services	7,315	6,808	8,251	7,271	8,062	6,792	8,616	4,233	7,442	10,537
440	VC3 IT Service & Maint.	14,539	13,014	16,623	17,293	19,467	19,999	19,829	13,392	20,192	22,454
441	EdmundsService & Maint.	4,992	4,991	5,241	5,242	5,503	5,504	9,002	9,479	9,479	3,534
482	Indirect Cost- Labor	92,422	92,424	94,951	94,951	92,200	92,200	99,077	66,051	99,077	116,059
481	Labor Allocation	-36,608	-36,608	-38,025	-38,025	-38,869	-38,869	-38,303	-25,535	-38,303	-47,544
212	Uniforms	2,974	2,819	3,179	2,492	3,179	1,877	3,180	1,961	3,121	3,300
251	Motor Fuel	2,812	1,916	2,812	1,748	2,981	3,134	3,979	1,999	3,299	3,494
260	Office Supplies	2,500	2,482	2,300	3,054	2,300	1,946	2,300	1,798	2,300	2,300
320	Telephone & Postage	6,600	6,189	6,600	5,994	6,600	6,347	6,165	3,979	6,150	6,572
340	Printing	0	0	0	0	0	0	0		0	0
353	Vehicle Maint. & Repair	1,500	809	500	698	1,050	894	822	331	822	856
370	Advertising	0	0	0	0	0	397	0	0	0	0
391	Legal Advertising	0	0	0	0	0	376	0	0	0	0
430	Bldg & Equip Rental	9,000	9,000	9,000	9,000	9,000	9,000	9,000	6,000	9,000	9,000
450	Insurance: Prop/Liab	12,345	11,547	13,583	12,949	14,928	13,853	17,412	15,804	15,804	18,884
491	Dues & Subscriptions	1,400	1,454	1,450	1,475	1,500	1,348	1,500	1,369	1,369	1,500

Water Administration and Finance Continued

Water Admin & Finance Page 2 of 2 60-7125		19-20		20-21		21-22		22-23			23-24
		Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget 03/10/23	Expend. as of 02/28/23	Projected Year-End	Proposed Budget
520	Capital Outlay - Comp. Eq.	0	0	0	0	38,793	34,965	3,825	2,325	3,825	0
540	Capital Outlay - Mot Veh	0	0	11,000	11,680	0	0	0	0	0	0
550	Capital Outlay- Equipment	0	0	0	0	30,000	30,000	0	0	0	0
580	Capital Outlay- Buildings	0	0	0	0	0	0	0	0	0	0
710	Bond Principal Payment	120,739	120,739	126,105	126,105	128,788	128,788	135,304	0	135,304	126,105
720	Bond Interest Payment	25,140	25,140	22,726	22,726	20,204	20,204	17,628	8,814	17,628	15,052
730	Loan Payment-water meters										6,516
499	Miscellaneous	0	0	0	0	250	0	9,750	9,526	9,526	400
	TOTAL	424,432	411,512	447,734	447,971	520,645	500,855	485,741	231,700	479,102	491,000

Water – Administration & Finance

121 – Wages & Salaries – Wages & Benefits per allocation table discussed in the first budget workshop (40% utility operators, 50% finance asst., PW Director)

310/395 – Training and travel - \$1,100

193 – Engineering Services – \$2,000

399 – Contracted Services –

Reverse 911 (Blackboard)	969	(\$3,877 total, 50% Gen, 25% water, 25% sewer)
Locate Plus	375	(\$750 total, 50% water, 50% sewer)
Mowing Contract	2,797	(10% of base lawn bid - refer to General Fund)
Neptune Support	3,738	(\$5,750 total, 65% water, 35% sewer)
Work Order Software	1,202	(\$3,006 total, 40% Gen., 40% water, 20% sewer)
Formax Stuffer/sealer	423	(\$650 total, 65% water, 35% sewer)
Misc Services	<u>1,033</u>	
	\$10,537	

440 – IT Services – VC3 Services (\$74,846 total, 40% General Fund, 30% water, 30% sewer)

Water – Administration & Finance

441 – Edmunds– Software maintenance (\$11,781 total, 40% general, 30%water, 30% sewer)

251 – Vehicle Fuel – Fuel for vehicles – based upon an estimate of \$3.50 per gallon

260 – Office Supplies – \$2,300

430 – Building and Equipment Rental – The rental of office space from the general fund (\$750 per month/ per utility). \$18,000 per year total, \$9,000 water, \$9,000 sewer.

550 Capital Outlay- none

Water Supply and Treatment		19-20		20-21		21-22		22-23			23-24
		Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget 03/10/23	Expend. as of 02/28/23	Projected Year-End	Proposed Budget
60-7132											
398	Testing	9,000	11,296	9,000	8,321	9,200	11,178	9,200	5,839	9,200	9,200
399	Contracted Services	5,200	6,299	5,200	386	5,200	675	5,200	423	3,000	5,500
298	Chemicals	12,733	9,122	12,732	11,605	13,132	13,799	13,132	9,805	13,132	13,132
299	Supplies & Materials	17,900	10,342	17,900	2,482	14,200	5,334	15,800	674	10,500	15,800
330	Utilities	8,100	7,319	8,600	7,834	8,600	8,999	9,000	6,365	9,548	10,500
351	Maint & Repair- Bldg	2,500	729	2,500	2,252	2,500	0	2,500	485	1,200	2,500
352	Maint & Repair- Equip	4,500	1,797	4,500	998	4,600	1,116	4,600	1,149	3,000	4,600
430	Bldg & Equip Rental	0	0	0	0	0	0	0	0	0	0
496	Permit Fees	2,210	1,730	1,800	1,730	1,800	1,730	1,800	1,730	1,730	1,800
499	Miscellaneous	1,000	0	768	0	768	0	768	0	768	768
550	Capital Outlay- Equipment	7,333	8,367	12,000	11,980	0	0	13,000	0	13,000	0
580	Capital Outlay-Grounds & Bld	0	0	0	0	0	0	0	0	0	0
595	Capital Outlay-Wells/Pumps	0	0	0	0	0	0	0	0	0	23,000
	TOTAL	70,476	57,001	75,000	47,588	60,000	42,831	75,000	26,470	65,078	86,800

Water – Supply & Treatment

399 - Contracted Services – Electrical, calibrate meters, grit removal and other needs

299- Supplies & Materials- Includes small equipment purchases

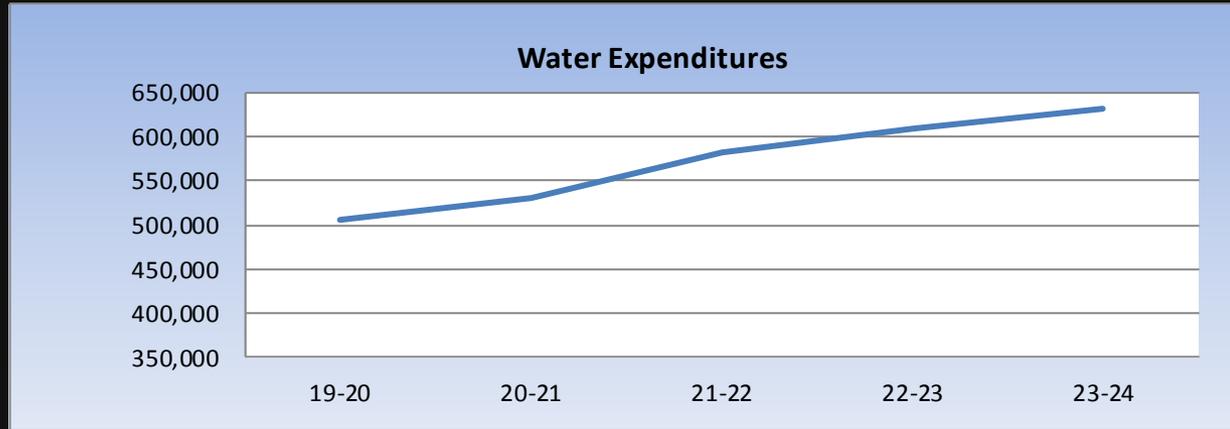
550 - Capital Outlay- \$23,000 for pump replacement

Water Distribution 60-7134		19-20		20-21		21-22		22-23			23-24
		Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget 03/10/23	Expend. as of 02/28/23	Projected Year-End	Proposed Budget
397	Meter Reading System	0	0	41,400	250	41,400	0	0	0	0	0
399	Contracted Services	22,410	674	7,350	877	7,350	628	7,596	690	7,596	7,596
442	Water Tower Service Contract	28,434	28,433	28,434	28,433	28,404	28,404	28,404	28,404	28,404	28,404
299	Supplies & Materials	6,400	7,512	6,216	5,983	8,246	7,669	9,000	6,722	9,000	13,700
352	Maint & Repair- Equip	2,000	0	2,000	0	2,000	1,091	2,000	333	1,000	2,000
430	Bldg & Equip Rental	2,000	70	2,000	337	2,000	325	2,000	235	1,000	2,000
550	Capital Outlay- Equipment	0	0	0	0	0	0	0	0	0	0
596	Capital Outlay- Lines/Tanks	0	0	0	0	0	0	0	0	0	0
	TOTAL	61,244	36,689	87,400	35,880	89,400	38,117	49,000	36,383	47,000	53,700

Water – Distribution

399 - Contracted Services - NC One Call	500
Alarm (well monitoring)	350
Leak Repair Contingency	<u>6,746</u>
	\$7,596
442 – Water Tower (2) Service Contract – Annual maintenance (Plantation=\$15,762 Shoreline=\$12,642)	\$28,404
299 - Supplies & Materials –	
Various Supplies	780
Diaphragm Pump	2,600
Water Meters & Hydrant	4,500
Pipe and Fittings	3,820
Other Small Equipment	<u>2,000</u>
	\$13,700
596 – Capital Outlay- No project funded	

Water - Summary



Water	19-20	20-21	21-22	22-23	23-24	Change v. prior year	
	Actual	Actual	Actual	Budget	Proposed	%	\$
Administration & Finance	411,512	447,971	500,855	485,741	491,000	1.08%	5,259
Supply & Treatment	57,001	47,588	42,831	75,000	86,800	15.73%	11,800
Distribution	36,689	35,880	38,117	49,000	53,700	9.59%	4,700
TOTAL (less transfer and contingency)	505,202	531,439	581,803	609,741	631,500	3.57%	21,759

Change in Budgeted Expenditure
21,759

Sewer Operations

Sewer – System “Snapshot”

Currently serving 970 users.

Transmitted via approximately 11 miles gravity and force main pipes.

Eight lift stations pressurize portions of the system so the waste is efficiently moved to our treatment facility on Gull Pointe Drive.

Treatment plant permitted capacity of 330,000 gallons per day and discharges treated effluent to the Trent River.

In FY 2022, we treated 40,121,000 gallons of wastewater (average of 109,893 gallons per day).



Sewer Admin & Finance Page 1 of 2 61-7125		19-20		20-21		21-22		22-23			23-24
		Current	Actual	Current	Actual	Current	Actual	Current	Expend.	Projected	Proposed
		Budget	Year-End	Budget	Year-End	Budget	Year-End	Budget	as of	Year-End	Budget
								03/10/23	02/28/23		
121	Wages & Salaries	112,942	111,851	118,899	121,914	123,106	121,023	128,043	83,214	126,414	139,177
122	Overtime	1,000	443	1,000	717	1,000	1,309	1,000	710	1,000	1,000
134	401(k) Retirement	5,497	5,673	5,785	6,140	5,776	6,023	6,127	4,140	6,371	6,514
181	FICA	8,409	8,595	8,852	9,301	8,839	9,403	9,652	6,401	9,747	10,693
182	Loc Govt Emp Retirement	10,300	10,155	12,256	12,464	13,650	13,328	14,809	10,019	15,417	17,260
183	Group Insurance	20,712	14,948	17,870	14,735	18,401	12,814	17,700	11,007	18,853	17,885
185	Unemployment Comp.	0	5	0	9	0	99	0	0	0	0
186	Workers' Compensation Ins.	3,651	3,912	3,863	3,627	3,982	3,132	4,000	3,606	3,606	4,302
310	Travel & Subsistence	750	68	750	171	750	87	800	659	800	800
395	Training	1,000	155	973	0	983	434	1,000	790	1,000	1,000
191	Auditing Service	4,600	4,667	5,567	5,567	5,667	4,833	5,733	0	5,733	8,000
192	Professional Service - Legal	1,000	1,897	1,000	2,449	1,000	1,922	1,000	1,386	1,386	1,000
193	Engineering Services	2,000	0	2,000	0	4,494	0	4,494	0	0	2,000
381	Other IT Services	550	1,428	520	2,999	3,897	4,147	992	697	1,029	2,168
382	Banking Services	1,525	851	936	1,157	1,177	1,247	1,177	897	1,357	1,404
393	Temporary Help Services	0	0	0	0	0	0	0	0	0	0
399	Contracted Services	3,823	3,248	3,980	3,683	4,097	3,180	4,256	2,064	4,114	5,219
440	VC3 IT Service & Maint.	14,539	13,014	16,623	17,293	19,467	19,999	19,829	13,392	20,192	22,454
441	Edmunds Service & Maint.	4,992	4,991	5,241	5,242	5,503	5,504	6,400	6,877	6,877	3,534
482	Indirect Costs- Labor	92,422	92,424	94,951	94,951	92,200	92,200	99,077	66,051	99,077	116,059
481	Labor Allocation	-36,608	-36,608	-38,025	-38,025	-38,869	-38,869	-38,303	-25,535	-38,303	-47,544
212	Uniforms	2,974	2,819	3,179	2,492	3,179	1,877	3,179	1,961	3,121	3,300
251	Motor Fuel	2,812	1,916	2,812	1,748	2,981	3,134	3,979	1,999	3,299	3,494
260	Office Supplies	2,425	2,422	2,425	3,054	2,425	1,946	2,425	1,561	2,425	2,000
320	Telephone & Postage	5,500	4,966	5,500	4,713	5,500	4,598	4,760	3,117	4,760	5,197
340	Printing	0	0	0	0	0	0	0	0	0	0
353	Vehicle Maint. & Repair	750	809	750	698	1,200	894	1,080	331	1,080	1,111
370	Advertising	0	0	0	0	0	416	0	0	0	0
430	Bldg & Equip Rental	9,000	9,000	9,000	9,000	9,000	9,000	9,000	6,000	9,000	9,000
450	Insurance: Prop/Liab	15,139	13,790	15,758	15,331	16,727	16,316	19,407	18,777	18,777	22,155
491	Dues & Subscriptions	900	943	900	923	900	794	900	803	900	900

Sewer Administration and Finance Continued

Sewer Admin & Finance Page 2 of 2 61-7125		19-20		20-21		21-22		22-23			23-24
		Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget 03/10/23	Expend. as of 02/28/23	Projected Year-End	Proposed Budget
520	Capital Outlay - Comp. Eq.	0	0	0	0	38,793	34,965	3,825	2,325	3,825	0
540	Capital Outlay - Mot Veh	0	0	11,000	11,680	0	0	0	0	0	0
550	Capital Outlay- Equipment	0	0	0	0	30,000	30,000	0	0	0	0
580	Capital Outlay- Buildings	0	0	0	0	0	0	0	0	0	0
710	Bond Principal Payment	104,261	104,261	108,895	108,895	111,212	111,212	111,212	0	111,212	108,895
720	Bond Interest Payment	21,710	21,710	19,624	19,624	17,446	17,446	15,222	7,611	15,222	12,998
760	Interfund Loan - Principal	0	0	0	0	0	0	0	0	0	0
770	Interfund Loan - Interest	0	0	0	0	0	0	0	0	0	0
499	Miscellaneous	0	0	0	0	0	0	5,250	5,130	5,130	425
	TOTAL	418,575	404,352	442,884	442,548	514,483	494,414	468,025	235,993	463,422	482,400

Sewer – Administration & Finance

121 – Wages & Salaries – Wages & Benefits per allocation table discussed in the first budget workshop.

310/395 – Training and travel - \$1,800

193 – Engineering Services –\$2,000

399 – Contracted Services –

Reverse 911	\$ 969
Neptune Support	2,013
Work Order Software	601
Locate Plus	375
FORMAX stuffer/sealer	228
Misc Services	<u>1,033</u>
	5,219

See slide #19 for cost share splits for these contracted services items

440 – IT Services – VC3 Hosted desktop [40% general fund, 30% water, 30% sewer]

441 – Edmunds– Software maintenance

Sewer – Administration & Finance

251 – Vehicle Fuel – Fuel for vehicles – based upon an estimate of \$3.50 per gallon

430 – Building and Equipment Rental – The rental of office space from the general fund (\$750 per month/ per utility).

540- Capital Outlay- none

Sewer Collection		19-20		20-21		21-22		22-23			23-24
		Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget 03/10/23	Expend. as of 02/28/23	Projected Year-End	Proposed Budget
61-7142											
397	Meter Reading System	0	0	27,600	0	27,600	0	0	0	0	0
399	Contracted Services	41,496	5,133	24,350	3,922	19,350	9,371	25,350	3,964	9,000	25,350
299	Supplies & Materials	7,800	7,988	7,800	4,319	7,800	3,781	7,800	1,545	4,000	7,800
330	Utilities	7,800	6,775	8,000	6,807	7,500	6,815	7,500	4,897	7,344	8,000
352	Maint & Repair- Equip	7,500	6,453	10,000	4,941	9,500	5,077	9,500	4,716	6,500	9,500
430	Equip Rental	1,870	185	2,040	0	2,040	0	2,040	0	1,000	2,040
498	Permit Fees	810	810	810	810	810	810	810	810	810	810
550	Capital Outlay - Equipment	31,833	32,629	0	0	0	0	22,000	13,870	22,000	11,000
580	Capital Outlay - Buildings	0	0	0	0	0	0	0	0	0	0
597	Capital Outlay - Collection Lines	0	0	0	0	0	0	0	0	0	0
598	Capital Outlay - Pump/Lift Sta.	0	0	11,000	5,852	30,000	0	0	0	0	0
	TOTAL	99,109	59,973	91,600	26,651	104,600	25,853	75,000	29,801	50,654	64,500

Sewer – Collection

399 – Contracted Services –

Alarm system for lift stations	3,150
NC 811	500
Grease Removal	2,200
Emergency Repairs	<u>19,500</u>
	\$25,350

299 – Supplies and Materials –

Generator Fuel	1,800
Pipe, fittings, tools, etc.	3,500
Lift Station Supplies (deodorizer, degreaser, etc.)	<u>2,500</u>
	\$7,800

352 – Maintenance & Repair-Equipment – Proactive lift station pump maintenance. We have a total of 20 pumps and will be able to do routine service “in house”.

598- Capital Outlay- Utility Trailer \$11,000

Sewage Treatment		19-20		20-21		21-22		22-23			23-24
		Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget	Actual Year-End	Current Budget 03/10/23	Expend. as of 02/28/23	Projected Year-End	Proposed Budget
61-7144											
398	Testing	15,000	12,746	14,790	11,547	14,790	14,720	14,790	7,645	14,790	14,762
399	Contracted Services	33,315	23,553	33,350	33,516	32,974	30,781	36,937	29,432	36,937	42,441
298	Chemicals	15,000	10,568	15,000	10,808	14,376	11,906	14,376	8,537	14,376	14,000
299	Supplies & Materials	5,500	4,107	5,500	2,985	6,500	6,995	6,500	841	6,500	6,500
330	Utilities	27,000	26,890	28,500	26,381	28,500	25,373	30,000	22,328	33,492	36,000
351	Maint & Repair- Bldg	1,000	763	1,000	48	1,000	98	1,000	0	1,000	1,000
352	Maint & Repair- Equip	18,764	16,967	13,000	8,308	12,000	10,755	11,500	333	6,000	12,700
430	Equip Rental	0	0	0	0	0	0	0	0	0	0
496	Permit Fees	860	0	860	1720	860	860	897	860	860	897
550	Capital Outlay- Equipment	0	0	0	0	0	0	20,000	0	20,000	0
594	Capital Outlay- Treatment Plant	5,000	0	0	0	0	0	0	0	0	0
	TOTAL	121,439	95,595	112,000	95,313	111,000	101,487	136,000	69,976	133,955	128,300

Sewer – Treatment

399 – Contracted Services –

Sludge Hauling	35,000
Calibrate meters	850
Pump grit chambers	2,500
Dumpster Service	2,891
Hach Spectrometer PMA	500 (50/50 split with)
Lift station alarms	<u>700</u>
	\$42,441

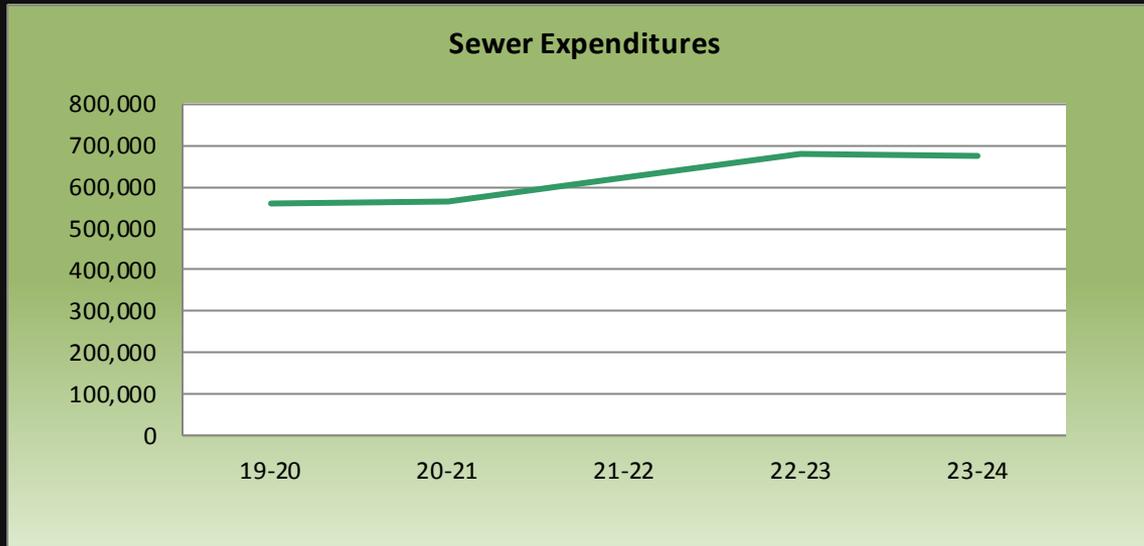
299 – Supplies and Materials – Generator fuel, tools, paint, etc.

352 – Maintenance and Repair – Equipment –

Blower maintenance contract	9,700
Other maintenance and repair	<u>3,000</u>
	\$12,700

550 – Capital Outlay – None

Sewer – Summary



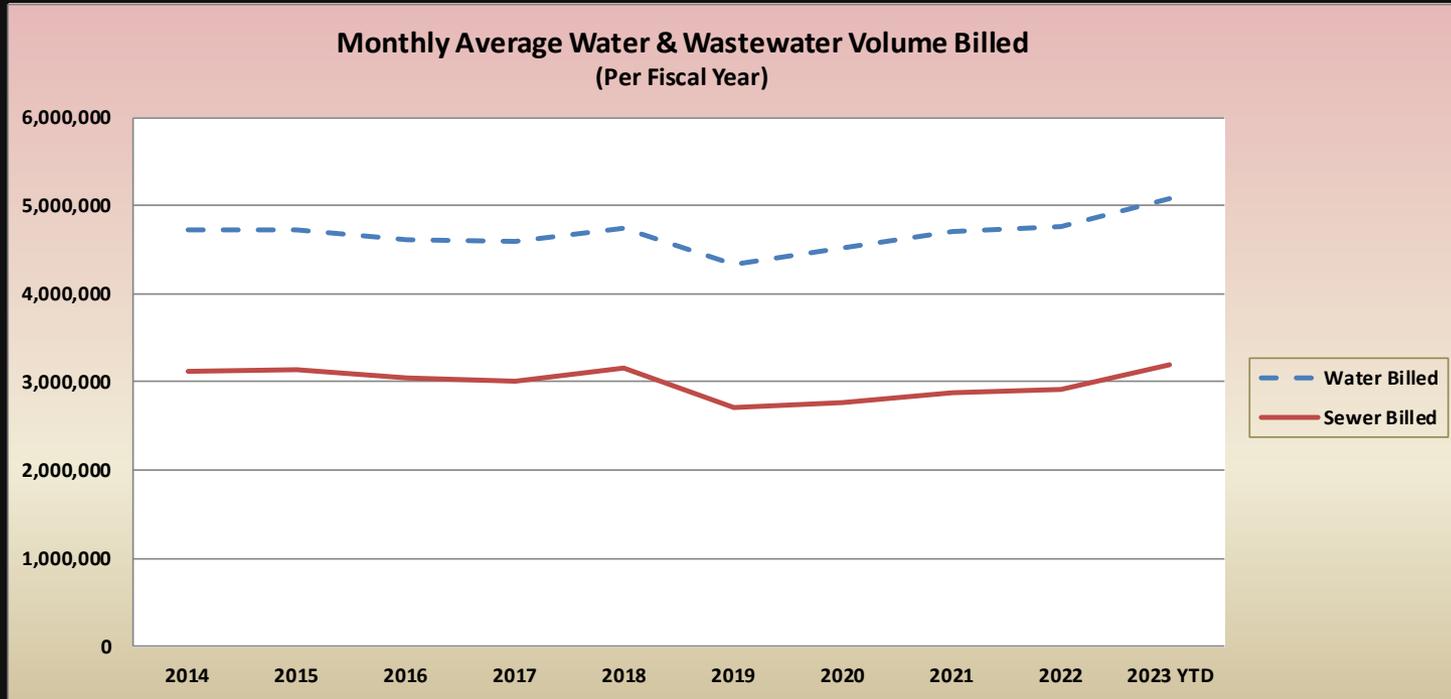
Sewer	19-20	20-21	21-22	22-23	23-24	Change v. prior year	
	Actual	Actual	Actual	Budget	Proposed	%	\$
Administration & Finance	404,352	442,548	494,414	468,025	482,400	3.07%	14,375
Collection	59,973	26,651	25,853	75,000	64,500	-14.00%	-10,500
Treatment	95,595	95,313	101,487	136,000	128,300	-5.66%	-7,700
TOTAL(Less transfers & contingency)	559,919	564,512	621,755	679,025	675,200	-0.56%	-3,825

Change in Budgeted Expenditure

-3,825

Water/Sewer Consumption Data

Monthly Water & Wastewater – Total Volume



	Average Monthly Gallons	
	Water Billed	Sewer Billed
2014	4,716,167	3,116,917
2015	4,726,083	3,138,000
2016	4,612,917	3,037,667
2017	4,593,000	3,014,167
2018	4,747,750	3,152,833
2019	4,331,000	2,712,000
2020	4,512,500	2,770,083
2021	4,700,583	2,879,250
2022	4,755,083	2,911,417
2023 YTD	5,082,000	3,199,625

Total usage remained basically flat from 2014-2018. It decreased in 2019 due to effects of Hurricane Florence. Thus far, in FY23 there has been a 6.43% increase in total usage vs. FY22, which is likely attributable to the reading accuracy of new meters.

Monthly Water/Sewer – Per Customer

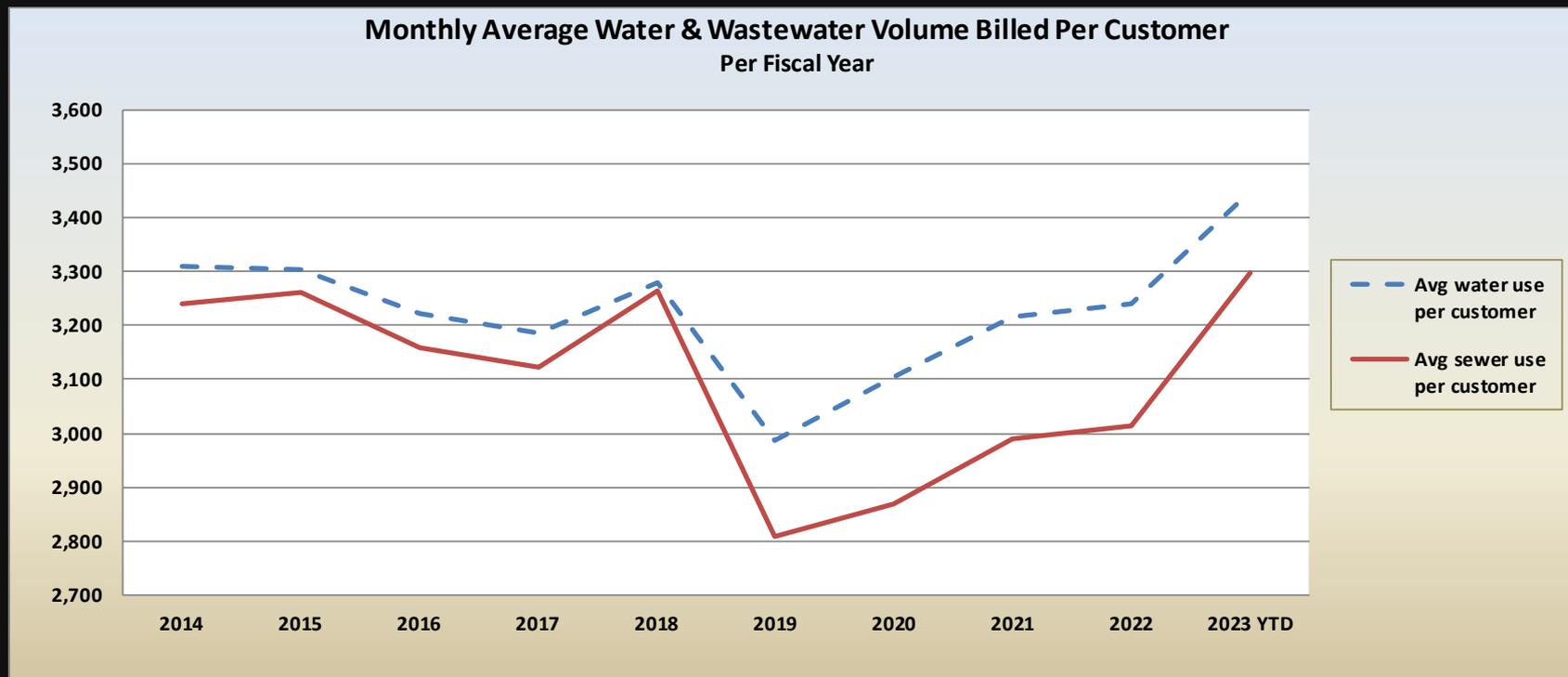
YEAR	Avg water use per customer	Avg sewer use per customer	# of Water Customers	# of Sewer Customers	% change in H2O use per customer
2014	3,310	3,240	1,425	962	-0.70%
2015	3,305	3,262	1,430	962	-0.14%
2016	3,221	3,158	1,432	962	-2.60%
2017	3,185	3,123	1,442	965	-1.13%
2018	3,279	3,264	1,448	966	2.86%
2019	2,987	2,807	1,450	966	-9.77%
2020	3,106	2,868	1,453	966	3.82%
2021	3,217	2,990	1,461	963	3.47%
2022	3,241	3,014	1,467	966	0.74%
2023 YTD	3,450	3,299	1,473	970	6.05%

YTD includes usage through February with two billing cycles remaining in the FY

“A century ago, the average American used only about 10 gallons of water a day to drink, cook, clean, and bathe. Today, Americans use 80-100 gallons per day per person on average.

Source: U.S. Environmental Protection Agency
U.S. Geological Survey

Annual Water & Wastewater – Per Customer



The average monthly water usage per customer in 2023 (YTD) is 3,450 gallons. and the average usage per sewer customer is 3,299 gallons. In 2022, those averages were 3,241 gallons and 3,041 respectively, which means there is about a 230 gallon per month increase in the average usage between the years.

Enterprise Funds – Capital Improvement Funds

These funds, per Resolution of the Town Council, may only be used for system expansion and/or advance payment on current Bonds. Reserve funds may NOT be used for operations or maintenance of the systems.

Water

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 proj
Hydrant Fees added to Capital Reserve	30,636	30,429	26,718	25,620	25,254	23,790	23,058	0	0	0	0	0
*CIF Fees added to Capital Reserve	2,600	2,700	2,700	2,700	2,700	0	0	0	0	0	0	0
Expenditure for Springdale/Piner Est.												
Transfer to Public Works Capital Project											(245,088)	0
**Water Capital Reserve Fund:	66,920	100,060	129,494	158,069	186,788	213,184	241,363	244,645	244,696	245,088	1,249	1,261
*CIF Fee charges were changed in FY17 by NCGS												
**includes interest earned												

Sewer

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 proj
*CIF Fees added to Capital Reserve	1,500	1,900	1,900	1,900	1,900	0	0	0	0	0	0	0
Expenditure for collection design												
Transfer to Public Works Capital Project											(11,265)	
**Sewer Capital Reserve Fund:	3,074	4,975	6,876	8,795	10,741	10,868	11,100	11,246	11,248	11,266	58	59
*CIF Fee charges were changed in FY17 by NCGS												
**includes interest earned												

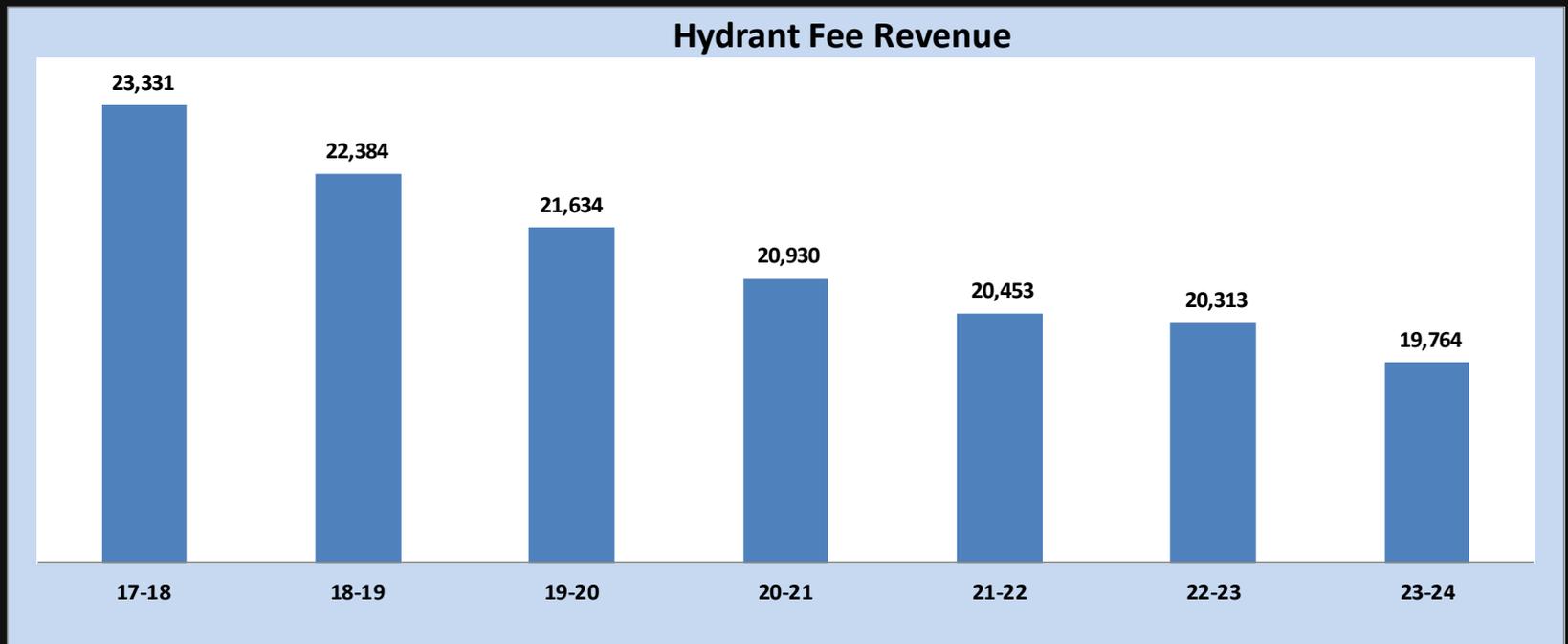
Notes: Both CIFs were eliminated due to statutory changes. Future assessment of CIF requires major policy change. Highlighted amounts were transferred to new Public Works building project.

Hydrant Fees



\$183 per year - billed in July. We allow customers to split their payment, paying half in July and half in December. We currently have 109 customers but that is subject to change. Last year we had 111. Budgeting for 108. Ideally, we would have 0.

Funds recognized as Water Fund Revenue.
Last change in rate was in FY 2014 from \$207.



Current Utility Rates

Per Schwartz Study

Customer: Under this structure the “customer” component of the charges reflect the indirect costs to each utility.

Demand: This represents 75% of the debt service and capital costs for each utility.

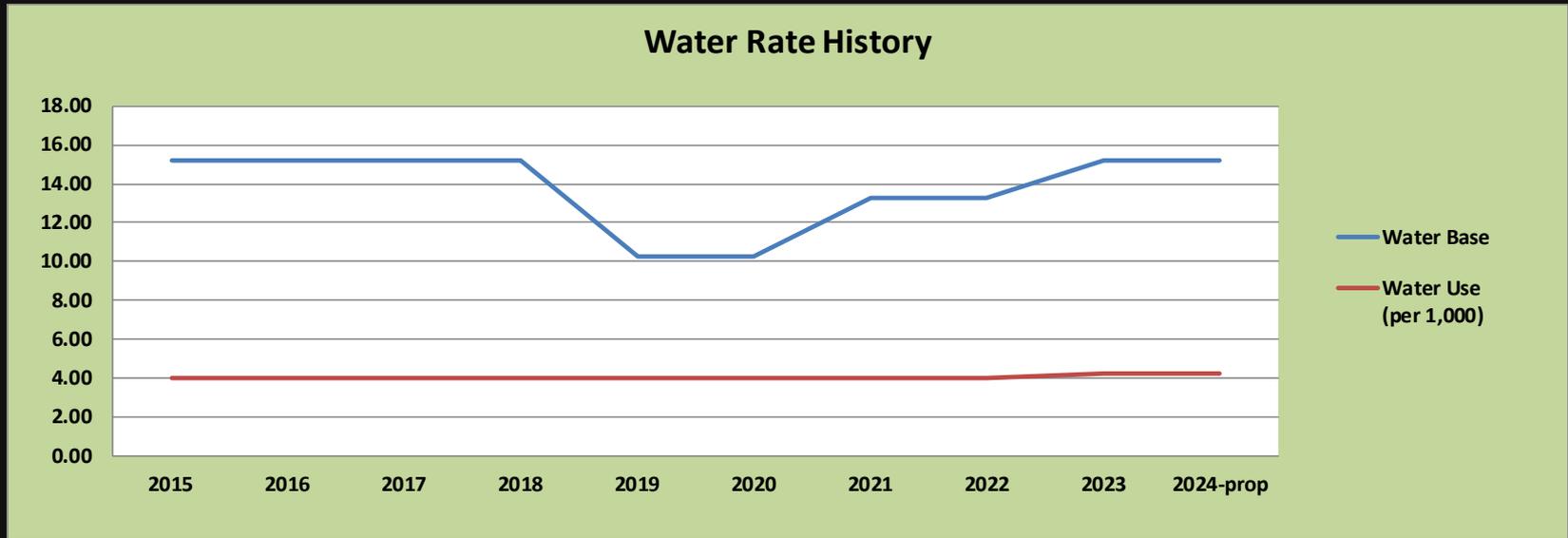
Usage: This component should be used to collect the remaining 25% of the debt service and capital costs and all direct operating costs.

Current Rates		
Water		
Customer		\$4.80
Demand		\$10.44
Use(0-4,000 gallons)		\$4.22
4,001-20,000		\$4.50
20001+		\$4.55
Sewer		
Customer		\$7.35
Demand		\$16.83
Use		\$9.30
Charges for 3,000 gallons usage		
Water		
Base		\$15.24
Use		\$12.66
Sewer		
Base		\$24.18
Use		\$27.90
Monthly		\$79.98
Per-Bill	(two months)	\$159.96
Charge for various gallons usage per month for water and sewer combined		
	0	\$39.42
	1000	\$52.94
	2000	\$66.46
	4000	\$93.50
	5000	\$107.30

The “customer” and “demand” components are combined to determine the **Base Charge** we charge as a flat fee per month, per customer.

The “**usage**” component is charged at a rate per 1,000 gallons of metered use.

Rate History

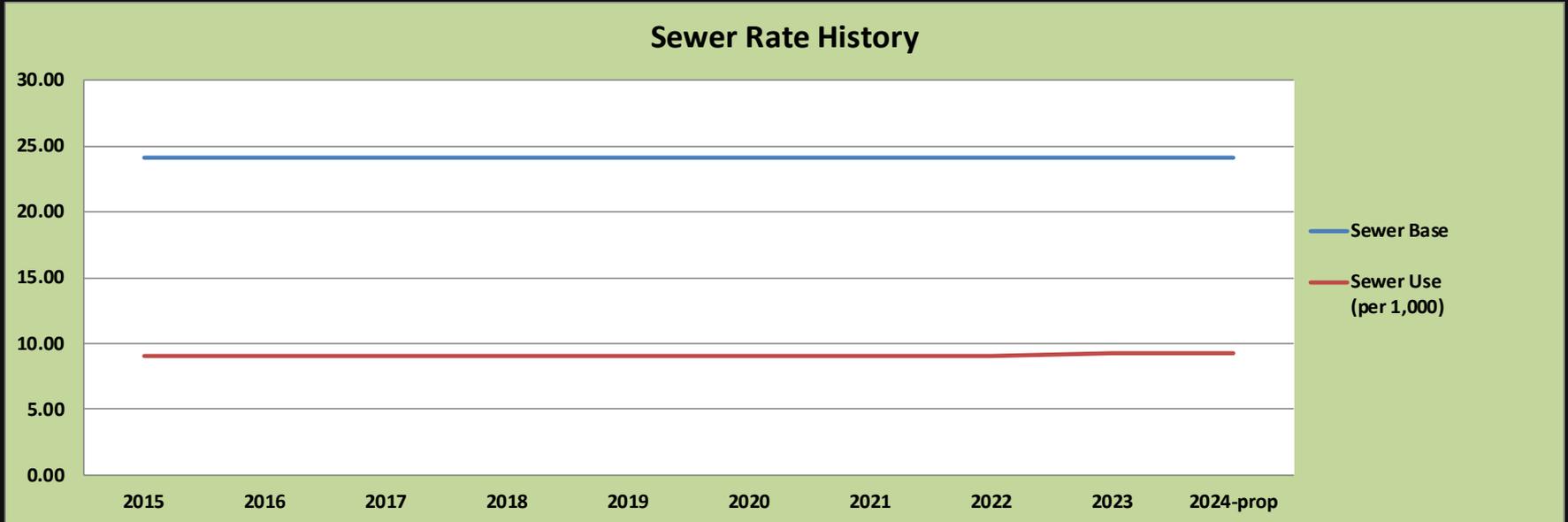


	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024-prop
Water Base	15.24	15.24	15.24	15.24	10.24	10.24	13.24	13.24	15.24	15.24
Water Use (per 1,000)	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.22	4.22
Monthly Bill (3,000 gal.)	27.30	27.30	27.30	27.30	22.30	22.30	25.30	25.30	27.90	27.90

Green box indicates a year that there was a change in the rate. This graph is for 3,000 gallons usage, which is in the \$4.22 per/1000 gallon rate up to 4,000 gallons. In 2023, the town added rates of \$4.50 per gallon for 4,001-20,000 gallons and \$4.55 per gallon for 20,001+ gallons.

1996- Town Acquires System from Carolina Water. The rate that year for 3,000 gallons was \$17.80

Rate History



	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024-prop
Sewer Base	24.18	24.18	24.18	24.18	24.18	24.18	24.18	24.18	24.18	24.18
Sewer Use (per 1,000)	9.08	9.08	9.08	9.08	9.08	9.08	9.08	9.08	9.30	9.30
Monthly Bill (3,000 gal.)	51.42	51.42	51.42	51.42	51.42	51.42	51.42	51.42	52.08	52.08

Green box represents a year that there was a change in the rate.

1996- Town Acquires System from Carolina Water. The rate that year for 3,000 gallons was \$22.30.

Rate History

Customer Using 3,000 gallons Per Month

Water/Sewer Bill in 1996, which was the first year that River Bend owned the system, was.....

\$40.10

Today, the same bill, adding only for inflation (not for changes in operations due to regulations, system expansion, etc.) would be

\$77.09

Our customers, under proposed rates for FY23-24, will pay.....

\$79.98

Cumulative Inflation rate between July, 1996 and March, 2023= 92.25%.
During that same time period, our rates have increased 99.45%

Inflation Data Source- www.inflationdata.com

Enterprise Funds Rate Model



Current Rates	
Water	
Customer	\$4.80
Demand	\$10.44
Use(0-4,000 gallons)	\$4.22
4,001-20,000	\$4.50
20001+	\$4.55
Sewer	
Customer	\$7.35
Demand	\$16.83
Use	\$9.30
Charges for 3,000 gallons usage	
Water	
Base	\$15.24
Use	\$12.66
Sewer	
Base	\$24.18
Use	\$27.90
Monthly	\$79.98
Per-Bill (two months)	\$159.96
Charge for various gallons usage per month for water and sewer combined	
0	\$39.42
1000	\$52.94
2000	\$66.46
4000	\$93.50
5000	\$108.42

This shows the current rates (as of 5-2-23), which are also the proposed rates.

Water Fund Revenue/Expense Summary

Water - Revenue	19-20	20-21	21-22	22-23	23-24	Change v. prior year	
	Actual	Actual	Actual	Budget	Proposed	%	\$
Base Fee	190,297	235,531	244,019	277,253	278,811	0.56%	1,558
Usage Charges	217,940	227,532	232,525	236,560	242,666	2.58%	6,106
Hydrant Fee	21,634	20,930	20,453	20,130	19,764	-1.82%	-366
Tap Fees	1,850	4,650	3,420	1,250	1,250	0.00%	0
Nonpayment fees	7,420	12,950	12,320	10,500	10,500	0.00%	0
Late payment fees	4,429	7,564	7,547	7,707	7,822	1.49%	115
Capital Investment Fees	0	0	0	0	0	0.00%	0
Charges to General Fund	0	0	0	0	0	0.00%	0
Other (includes interest, transfers, etc.)	10,203	997	2,138	435	3,583	723.79%	3,148
Appropriated Fund Balance	0	0	0	330,197	67,103	-79.68%	-263,094
TOTAL	453,773	510,155	522,422	884,032	631,500	-28.57%	-252,532

Water Fund				
Total Revenue	564,397			Approp Fund Balance
Total Expenditure	631,500	Capital O/L	Transfers	
Revenue-Expenditure=	-67,103	23,500	0	90,603

Funding is set aside each year in water CIP for future vehicle purchases. This year the amount is \$3,500 This year, there is also \$20,000 set aside in the annual appropriation. The fund balance appropriation as noted on top chart does not include these transfers.

Sewer Fund Revenue/Expense Summary

Sewer - Revenue	19-20	20-21	21-22	22-23	23-24	Change v. prior year	
	Actual	Actual	Actual	Budget	Proposed	%	\$
Base Fee	290,923	293,751	292,618	294,601	296,108	0.51%	1,507
Usage Charges	298,776	316,010	323,268	316,810	348,862	10.12%	32,052
Tap Fees	0	0	1,250	1,250	1,250	0.00%	0
Late Payment Fee	5,750	8,701	8,852	7,948	8,385	5.49%	437
Capital Investment Fees	0	0	0	0	0	0.00%	0
Charges to General Fund	0	0	0	0	0	0.00%	0
Other (includes interest, transfers, etc.)	11,257	1,031	1,696	703	5,840	730.75%	5,137
Appropriated Fund Balance	0	0	0	565,827	14,756	-97.39%	-551,071
TOTAL	606,706	619,492	627,684	1,187,139	675,200	8.99%	-511,939

Sewer Fund					
Total Revenue	660,444				Approp Fund
Total Expenditure	675,200	CapitalO/L	Transfers		Balance
Revenue-Expenditure	-14,756	3,500	0		18,256

Funding is also set aside each year in sewer CIP for future vehicle purchases. This year the amount is \$3,500. The fund balance appropriation as noted on top chart does not include these transfers.

Town of River Bend

UTILITY RATE MODEL

The following charts are taken from the Town's Utility Rate Model and reflect a forecast based on the FY 23-24 proposed rates and budget amounts and future year budgets based on assumptions of revenues and expenditures in those future years, which are based on forecast changes in revenues and expenditures, which are based on variables as entered into the rate model.

During the budget workshop, the rate model will be live and interactive and we can make adjustments to it, to see what impact they will have on both funds.

Note- The rate model does not allow for multiple rate tiers, as were adopted for the water department on September 15, 2022. The figures represent the lowest water rate tier of \$4.22 per/1000 gallons for water. Therefore, the estimated revenues for water are lower than are actually expected.

Town of River Bend

Fiscal Year 2023-2024 Budget Workshop

May 11, 2023

30. Tax rates, utility rates and other fees

Ad valorem tax rate

Utility rates and fees

Schedule of rates and fees