

Stormwater Fund and Rates

May 5, 2022

- Stormwater fee is the primary source of revenue.
- FY23 annual budget of \$11,736,877 (104 FTEs)
- Funds Stormwater Management, Stormwater Maintenance, and Street Cleaning.
- Capital projects address:
 - Stormwater infrastructure improvements
 - Watershed planning
 - Stormwater retrofit design and construction to meet Stage I Falls Lake rules and UNRBA Interim Alternative Implementation Approach
 - Begin to address TMDL response plans for Third Fork and NE Creek
 - Drainage repair of City owned property
 - Private property drainage
 - Floodplain Mitigation
- Activities are requirements of the *National Pollution Discharge Elimination System (NPDES) permit* including state regulations.



Key Issues

- A rate increase is requested for FY23 to support ongoing operations.
- Rate increases are proposed through FY25 supporting Capital Spending to meet Stage I reduction for Falls Lake, UNRBA - IAIA, and begin addressing TMDL load reductions (bacteria/sediment).
- Last rate increase was implemented in FY21.
- Capital Projects will peak during FY23.
- SW Infrastructure replacement due to aging infrastructure.
 (ROW/COP/PP)
- Jordan Lake rules to be re-written beginning in FY22/FY23.
- Falls Lake rule re-adoption process begins Jan 2024
- Ongoing re-examination of Falls Lake through Upper Neuse River Basin Association (UNRBA).



FY22 to FY29 Proposed Rates

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	2022	2	023	2024	2025	2026	2027	2028	202
Monthly Rates by Tier									
Tier 1	\$ 3.75	\$ 4.	20	\$ 5.50	\$ 5.70	\$ 5.70	\$ 5.50	\$ 5.50	\$ 5.5
Tier 2	\$ 7.76	\$ 8.	70	\$ 11.39	\$ 11.80	\$ 11.80	\$ 11.39	\$ 11.39	\$ 11.39
Tier 3	\$ 15.55	\$ 17.	42	\$ 22.81	\$ 23.64	\$ 23.64	\$ 22.81	\$ 22.81	\$ 22.83
Multi/ERU	\$ 7.76	\$ 8.	70	\$ 11.39	\$ 11.80	\$ 11.80	\$ 11.39	\$ 11.39	\$ 11.39
Non-Res ERU's	\$ 7.76	\$ 8.	70 :	\$ 11.39	\$ 11.80	\$ 11.80	\$ 11.39	\$ 11.39	\$ 11.39
End Balance before Operating Reserve (CAFR)	28,136,267	12,576,6	49	11,343,914	12,716,066	9,119,640	4,763,078	5,926,199	5,602,303
Total Surplus (Deficit) after Operating Reserve	24,483,269	8,907,5	94	7,323,622	8,554,071	4,715,787	210,809	1,247,233	792,958
% Change from Prior Year			+						
Tier 1	7.1%	12.	ე%	31.0%	3.6%	-	-3.5%	-	-
Tier 2	7.1%	12.	ე%	31.0%	3.6%	-	-3.5%	-	-
Tier 3	7.1%	12.	ე%	31.0%	3.6%	-	-3.5%	-	-
Multi/ERU	7.1%	12.	ე%	31.0%	3.6%	-	-3.5%	-	-
Non-Residential	7.1%	12.)%	31.0%	3.6%	-	-3.5%	-	-
\$ Change from Prior Year, Monthly			+						
Tier 1	\$ 0.25	\$ 0.	45	\$ 1.30	\$ 0.20	\$ -	\$ (0.20) \$ -	\$ -
Tier 2	\$ 0.52	\$ 0.	93	\$ 2.69	\$ 0.41	\$ -	\$ (0.41) \$ -	\$ -
Tier 3	\$ 1.04	\$ 1.	87	\$ 5.39	\$ 0.83	\$ -	\$ (0.83) \$ -	\$ -
Multi/ERU	\$ 0.52	\$ 0.	93	\$ 2.69	\$ 0.41	\$ -	\$ (0.41) \$ -	\$ -
Non-Residential	\$ 0.52	\$ 0.	93	\$ 2.69	\$ 0.41	\$ -	\$ (0.41) \$ -	\$ -
\$ Change from Prior Year, Annual									
Tier 1	\$ 3.00	\$ 5.	40	\$ 15.60	\$ 2.40	\$ -	\$ (2.40) \$ -	\$ -
Tier 2	\$ 6.21	\$ 11.	18	\$ 32.30	\$ 4.97	\$ -	\$ (4.97) \$ -	\$ -
Tier 3	\$ 12.44	\$ 22.	40	\$ 64.70	\$ 9.95	\$ -	\$ (9.95) \$ -	\$ -
Multi/ERU	\$ 6.21	\$ 11.	18	\$ 32.30	\$ 4.97	\$ -	\$ (4.97) \$ -	\$ -
Non-Residential	\$ 6.21	\$ 11.	18	\$ 32.30	\$ 4.97	\$ -	\$ (4.97) \$ -	\$ -



FY22 – FY29 CIP spend projection

Fiscal Year	2022	2023	2024	2025	2026	2027	2028	2029
LK100 - Private Property Drainage Projects	500,000	500,000	500,000	500,000	500,000	500,000	600,000	600,000
LK102 - Watershed Planning and Design	330,289	1,342,705	624,250	1,099,250	369,250	839,250	209,250	509,250
LK105 - Drainage Repair City Owned Property	579,996	500,000	600,000	600,000	600,000	600,000	600,000	600,000
LK106 - Floodplain Mitigation	-	50,000	-	50,000	-	50,000	-	50,000
LK107 - Maj Strmtr Infrastr & BMP Imprv	3,174,708	2,500,000	2,500,000	2,500,000	3,000,000	3,000,000	3,000,000	3,000,000
LK109 - Stormwater Retrofitting	669,105	1,611,494	1,025,000	2,155,000	1,250,000	3,220,000	1,450,000	3,225,000
LK110 - South Ellerbee Restoration Project	1,962,594	11,135,669	3,654,557					
LK111 - Scrubber	16,495	2,148,000	650,000	1,805,000	5,225,000	2,387,000		
LK112 Emergency Watershed Protection	-	50,000	-	50,000	-	50,000	-	50,000
PWOC funding		1,050,000	1,050,000	1,050,000	1,050,000	1,050,000		
S4301 - Storm Water CIP Fleet	924,788	615,013	1,719,315	358,500	1,523,714	1,006,917	1,620,541	484,965
Projects Total (Present Value)	8,157,975	21,502,881	12,323,122	10,167,750	13,517,964	12,703,167	7,479,791	8,519,215
Projects Total (Inflated)	8,157,975	22,147,967	13,062,509	11,082,848	15,140,120	14,608,642	8,826,153	10,308,250



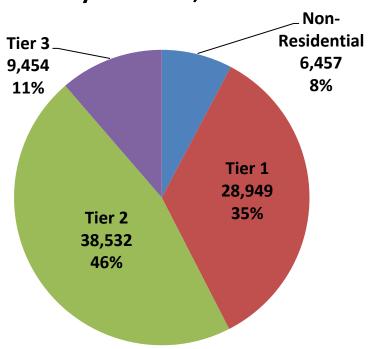
Customer Bill Impact FY23

Tier	Current Monthly Rate	Monthly Rate with Increase	Monthly Increase Amount	Annual Increase Amount
1 - Residential	\$3.75	\$4.20	\$0.45	\$5.40
2 - Residential	\$7.76	\$8.70	\$0.94	\$11.28
3 - Residential	\$15.55	\$17.42	\$1.87	\$22.44
Non - Residential	\$7.76 per ERU = 2,400 sqft impervious surface	\$8.70 per ERU = 2,400 sqft impervious surface	\$0.94 per ERU = 2,400 sqft impervious surface	\$11.28 per ERU = 2,400 sqft impervious surface

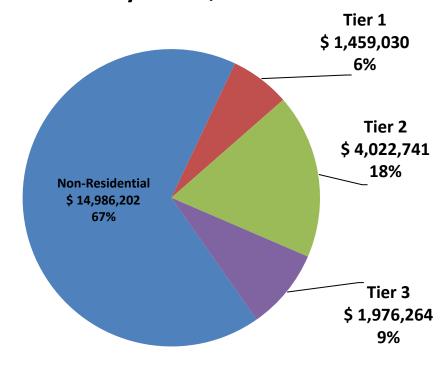


Estimated Accounts and Revenue by Tier FY23

Accounts by Tier – 83,392 Est. Total



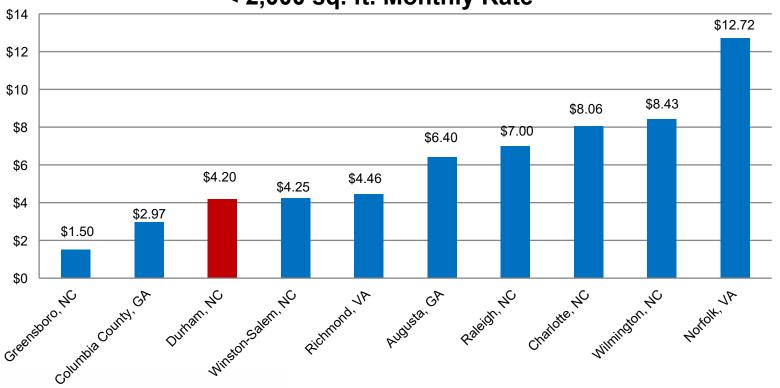
Revenue by Tier - \$22.4M Est. Total





Monthly Bill Benchmarking

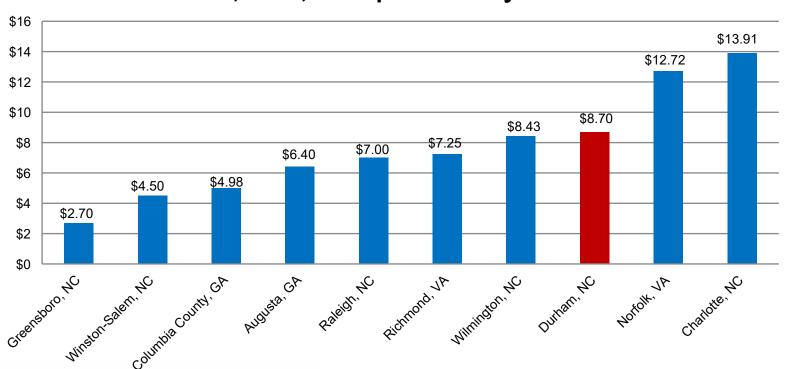
Equivalent Residential Tier 1 < 2,000 sq. ft. Monthly Rate





Monthly Bill Benchmarking

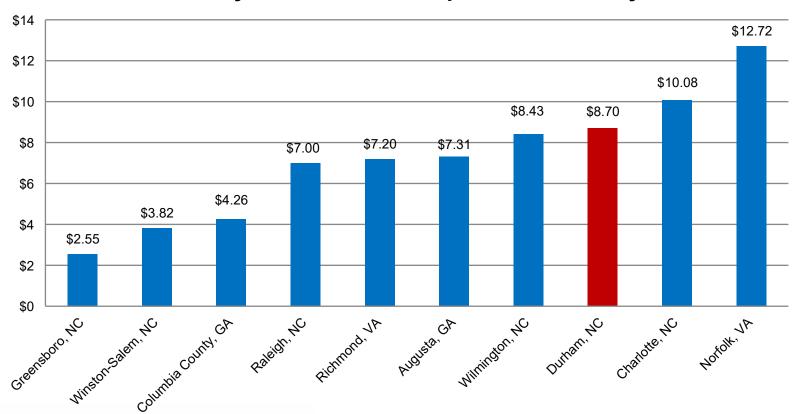
Equivalent Residential Tier 2 2,000-4,000 sq. ft. Monthly Rate





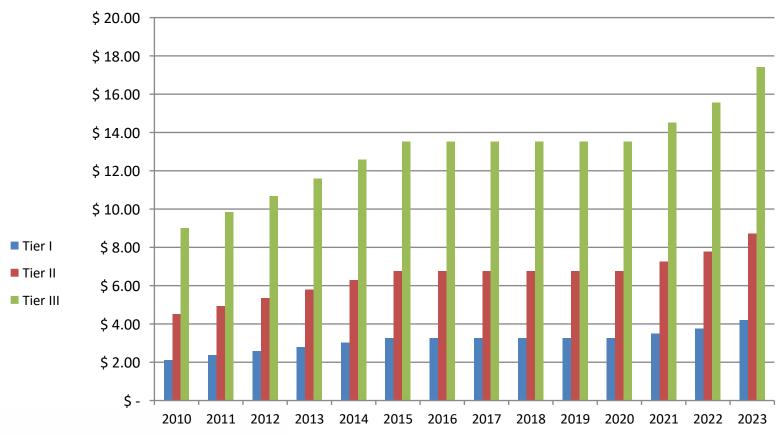
Monthly Bill Benchmarking

Multi-Family & Commercial Equivalent Monthly Rate



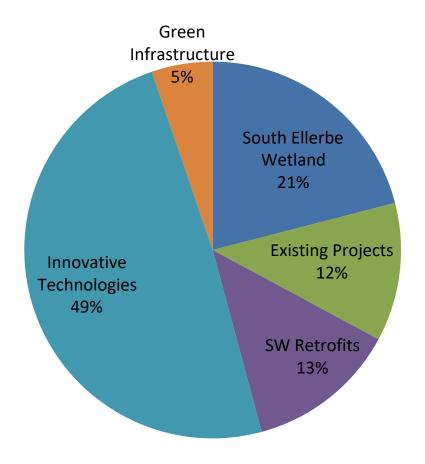


Monthly Residential Stormwater Rate History





Falls Stage 1





South Ellerbe Stormwater Restoration

Site soil removal and remediation NTP February 2022, completion June/July 2022
Bid Construction of Wetland Fall 2022

Algae Turf Scrubber

Site selection process for Algae Turf Scrubber complete Site suitable for 10 MGD plant identified Developing Communications Plan

