

DRAFT FY2023 Water and Sewer Rate Sheet

Billed for usage between 4/1/22 - 3/31/23

Green Box is a manual entry number

Using Usage from 4/1/22 - 3/31/23

Draft as of 4-12-23

Budget

	Water	Sewer	Combined
FY23	\$398,534	\$872,219	\$1,270,753
FY24	\$409,283	\$967,874	\$1,377,157
Total Change FY23/FY24	\$10,749	\$95,655	\$106,404
Percent Change FY23/FY24	2.70%	10.97%	8.37%

Revenue from Non-Core User Groups

Non-Core User Groups

Industry and Allocated Accounts Fixed Rate Calculator

Industry fixed rate for Sewer is the Commercial and Government plus 15%	\$633.17
Allocated Accounts fixed rate for Water is half the Commercial and Government	\$311.04
Allocated Accounts fixed rate for Sewer is half the Commercial and Government	\$275.29

	Water						Sewer					
	FY24		FY23		Change FY23 to FY24		FY24		FY23		Change FY23 to FY24	
	Fixed Rate	Revenue	Fixed Rate	Revenue	Dollar Difference	Percentage Difference	Fixed Rate	Revenue	Fixed Rate	Revenue	Dollar Difference	Percentage Difference
Industry												
Fixed Rate							\$633.17	\$633	\$525.18	\$525	\$107.99	20.56%
Metered/Industry Usage								\$6,067		\$6,175		
Total Rev.								\$6,700		\$6,700		
Allocated Accounts												
Fixed Rate	\$311.04	\$1,244	\$297.86	\$1,191	\$13.18	4.42%	\$275.29	\$826	\$228.34	\$685	\$46.95	20.56%
Total Rev.		\$1,244		\$1,191				\$826		\$685		

Non-User Group Revenue

	Water				Sewer			
	FY24 Revenue		FY23 Revenue		FY24 Revenue		FY23 Revenue	
Sale of Water		\$1,500		\$1,500		\$0		\$0
Fire Protection/Tank Fee		\$51,449		\$51,148		\$0		\$0
Septage Revenue		\$0		\$-		\$460,000		\$460,000
Gateway Revenue		\$0		\$-		\$0		\$0
Hook-on Fees		\$500		\$500		\$1,000		\$1,000
Miscellaneous Fees		\$0		\$-		\$0		\$0
Net Interest on Checking Account		\$6,000		\$500		\$14,000		\$1,500
Unassigned Fund Balance Usage		\$27,339		\$27,339		\$48,394		\$48,394
Total Other Revenue		\$86,788		\$80,987		\$523,394		\$510,894

Total Revenue from Non-Core Users	\$88,032	\$82,178	\$530,920	\$518,279
Total Revenue remaining to be raised by core users	\$321,251	\$316,356	\$436,954	\$353,940

Data Used to Build Rates for Core User Groups

Percentage of use in past 4 quarters

	Water				Sewer			
	Future Use Adjustment as Percentage of Gallons		Future Use Adjustment as Percentage of Gallons		Future Use Adjustment as Percentage of Gallons		Future Use Adjustment as Percentage of Gallons	
	Gallons	Percentage	98%	Users	Gallons	Percentage	98%	Users
Residential	9,714,900	56.54%	9,520,602	421	9,651,900	70.56%	9,458,862	419
Commercial & Government	6,585,600	38.33%	6,453,888	75	3,145,600	23.00%	3,082,688	73
School	881,400	5.13%	863,772	3	881,400	6.44%	863,772	3
Industry				0				1
Allocated Accounts				4				3
total	17,181,900	100.00%	16,838,262		13,678,900	100.00%	13,405,322	

Percentage of use Adjustments for Water Rates to offset for fire protection allocation to school

	Water			
	Adjustment	Adjusted FY24	Adjusted FY23	
Residential	-2.98%	53.56%	54.28%	
Commercial & Government	-2.02%	36.31%	35.80%	
School	5.00%	10.13%	9.92%	
Total		100.00%	100.00%	

Formula for determining split of 5 percentage points between Residential and Commercial & Government Based on percent of water used by each

	Gallons Used	Percentage of Use
Residential	9,714,900	59.60%
Commercial & Government	6,585,600	40.40%
Total	16,300,500	

Budget Allocations Per Core User Group

	FY24		FY23	
	Water	Sewer	Water	Sewer
Revenue to be raised from Core Users	\$321,251	\$436,954	\$316,356	\$353,939.98
Residential	\$172,066.89	\$308,317.01	\$171,704.55	\$247,855.76
Commercial & Government	\$116,641.83	\$100,481.98	\$113,252.86	\$84,488.93
School	\$32,542.12	\$28,155.14	\$31,398.15	\$21,595.29

Rates for Core User Groups

	Percent of Rev.	Water						Sewer					
		FY24		FY23		Change FY23 to FY24		FY24		FY23		Change FY23 to FY24	
		Fixed per unit. Metered per 1000 gal.	Revenue	Fixed per unit. Metered per 1000 gal.	Revenue	Dollar Difference	Percentage Difference	Fixed per unit. Metered per 1000 gal.	Revenue	Fixed per unit. Metered per 1000 gal.	Revenue	Dollar Difference	Percentage Difference
Residential													
Fixed Rate	30%	\$122.61	\$51,620	\$122.06	\$51,511	\$0.55	0.4%	\$220.75	\$92,495	\$177.46	\$74,357	\$43.29	24.4%
Metered	70%	\$12.65	\$120,447	\$12.33	\$120,193	\$0.32	2.6%	\$22.82	\$215,822	\$18.05	\$173,499	\$4.77	26.4%
Total Rev.			\$172,067		\$171,705				\$308,317		\$247,856		
Commercial & Government													
Fixed Rate	40%	\$622.09	\$46,657	\$596.07	\$45,301	\$26.02	4.4%	\$550.59	\$40,193	\$456.70	\$33,796	\$93.89	20.6%
Metered	60%	\$10.84	\$69,985	\$10.57	\$67,952	\$0.27	2.6%	\$19.56	\$60,289	\$15.47	\$50,693	\$4.09	26.4%
Total Rev.			\$116,642		\$113,253				\$100,482		\$84,489		
School													
Fixed Rate	50%	\$5,423.69	\$16,271	\$5,233.03	\$15,699	\$190.66	3.6%	\$4,692.52	\$14,078	\$3,599.22	\$10,798	\$1,093.31	30.4%
Metered	50%	\$18.84	\$16,271	\$18.74	\$15,699	\$0.10	0.5%	\$16.30	\$14,078	\$12.89	\$10,798	\$3.41	26.4%
Total Rev.			\$32,542		\$31,398				\$28,155		\$21,595		

Revenue Analysis

	Water	Sewer
Revenue Through Fixed Fees (Water: rates, fire, hook-on, int. Sewer: rates, 50% septage, hook-on, int.)	\$173,741	\$393,225
Revenue Through Variable Fees (Water: rates, sale of water Sewer: rates, 50% septage)	\$208,203	\$526,255
Revenue through use of Unassigned Fund Balance Usage	\$27,339	\$48,394
Total	\$409,283	\$967,874
Double Check to ensure the revenue raised by fees equals budgeted revenue goal (field should equal zero)	\$0	\$0
Capital Budget	\$208,827	\$206,439
Percent of Capital Budget that is covered by revenue raised by fixed fees	83.20%	190.48%

Sample Rate Changes

	FY24		FY23	
	Water	Sewer	Water	Sewer
Residential				
Metered	\$286.10	\$515.09	\$284.82	\$414.08
Fixed	\$122.61	\$220.75	\$122.06	\$177.46
Total	\$408.71	\$735.84	\$406.88	\$591.54
Total Combined	\$1,144.55		\$998.42	
Total Combined Dollar Change	\$146.13			
Total Combined Percentage Change	14.64%			
Commercial & Government				
Metered	\$933.13	\$825.88	\$894.10	\$685.05
Fixed	\$622.09	\$550.59	\$596.07	\$456.70
Total	\$1,555.22	\$1,376.47	\$1,490.17	\$1,141.74
Total Combined	\$2,931.69		\$2,631.91	
Total Combined Dollar Change	\$299.78			
Total Combined Percentage Change	11.39%			
School				
Metered	\$5,423.69	\$4,692.52	\$5,233.03	\$3,599.22
Fixed	\$5,423.69	\$4,692.52	\$5,233.03	\$3,599.22
Total	\$10,847.37	\$9,385.05	\$10,466.05	\$7,198.43
Total Combined	\$20,232.42		\$17,664.48	
Total Combined Dollar Change	\$2,567.94			
Total Combined Percentage Change	14.54%			

Signed by Richmond Water and Sewer Commission on this 17th day of May, 2022.

David Sander, Chair

Fran Huntoon

Bard Hill

Greg Tucker

Jay Furr