

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 4/1/21 - 3/31/22

Draft as of 4-15-22

Budget

	Water	Sewer	Combined
FY22	\$379,492	\$789,537	\$1,169,029
FY23	\$395,016	\$864,012	\$1,259,028
Total Change FY22/FY23	\$15,524	\$74,475	\$89,999
Percent Change FY22/FY23	4.09%	9.43%	7.70%

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%	\$584.72
Allocated Accounts fixed rate for Water is half the Commercial and Government	\$320.56
Allocated Accounts fixed rate for Sewer is half the Commercial and Government	\$254.23

	Water						Sewer					
	FY23		FY22		Change FY22 to FY23		FY23		FY22		Change FY22 to FY23	
	Fixed Rate	Revenue	Fixed Rate	Revenue	Dollar Difference	Percentage Difference	Fixed Rate	Revenue	Fixed Rate	Revenue	Dollar Difference	Percentage Difference
Industry												
Fixed Rate							\$584.70	\$585	\$546.25	\$546	\$38.45	7.04%
Metered/Industry Usage								\$6,115		\$6,154		
Total Rev.								\$6,700		\$6,700		
Allocated Accounts												
Fixed Rate	\$320.53	\$1,282	\$318.31	\$1,273	\$2.22	0.70%	\$254.22	\$763	\$237.52	\$713	\$16.70	7.03%
Total Rev.		\$1,282		\$1,273				\$763		\$713		

Non-User Group Revenue

	Water				Sewer			
	FY23 Revenue		FY22 Revenue		FY23 Revenue		FY22 Revenue	
Sale of Water		\$1,500		\$1,500		\$0		\$0
Fire Protection/Tank Fee		\$50,972		\$50,432		\$0		\$0
Septage Revenue		\$0		\$0		\$460,000		\$430,000
Gateway Revenue		\$0		\$0		\$0		\$0
Hook-on Fees		\$500		\$500		\$1,000		\$1,000
Miscellaneous Fees		\$0		\$0		\$0		\$0
Interest on Investments		\$500		\$500		\$1,500		\$1,200
Total Other Revenue		\$53,472		\$52,932		\$462,500		\$432,200

Total Revenue from Non-Core Users	\$54,754	\$54,205	\$469,963	\$439,613
Total Revenue remaining to be raised by core users	\$340,262	\$325,287	\$394,049	\$349,924

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	98%	Gallons	Percentage	98%	Users	
Residential	9,943,300	57.29%	9,744,434	422	9,810,800	70.03%	9,614,584	419		
Commercial & Government	6,558,400	37.79%	6,427,232	76	3,344,300	23.87%	3,277,414	74		
School	854,800	4.92%	837,704	3	854,800	6.10%	837,704	3		
Industry				0				1		
Allocated Accounts				4				3		
total	17,356,500	100.00%	17,009,370		14,009,900	100.00%	13,729,702			

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

	Water			
	Adjustment	Adjusted FY23	Adjusted FY22	
Residential	-3.01%	54.28%	52.58%	
Commercial & Government	-1.99%	35.80%	37.18%	
School	5.00%	9.92%	10.24%	
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	9,943,300	60.26%
Commercial & Government	6,558,400	39.74%
Total	16,501,700	

Budget Allocations Per Core User Group

	FY23		FY22	
	Water	Sewer	Water	Sewer
Revenue to be raised from Core Users	\$340,262	\$394,049	\$325,287	\$349,924.44
Residential	\$184,679.90	\$275,943.39	\$171,034.54	\$239,305.47
Commercial & Government	\$121,811.14	\$94,063.43	\$120,957.41	\$87,883.33
School	\$33,770.84	\$24,042.53	\$33,294.81	\$22,735.64

Rates for Core User Groups

	Percent of Rev.	Water						Sewer					
		FY23		FY22		Change FY22 to FY23		FY23		FY22		Change FY22 to FY23	
		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%	\$131.29	\$55,404	\$120.45	\$51,310	\$10.84	9.0%	\$197.57	\$82,783	\$169.72	\$71,792	\$27.85	16.4%
Metered	70%	\$13.27	\$129,276	\$13.39	\$119,724	-\$0.12	-0.9%	\$20.09	\$193,160	\$18.87	\$167,514	\$1.22	6.5%
Total Rev.			\$184,680		\$171,035				\$275,943		\$239,305		
Commercial & Government													
Fixed Rate	40%	\$641.11	\$48,724	\$636.62	\$48,383	\$4.49	0.7%	\$508.45	\$37,625	\$475.05	\$35,153	\$33.41	7.0%
Metered	60%	\$11.37	\$73,087	\$11.48	\$72,574	-\$0.11	-0.9%	\$17.22	\$56,438	\$16.17	\$52,730	\$1.05	6.5%
Total Rev.			\$121,811		\$120,957				\$94,063		\$87,883		
School													
Fixed Rate	50%	\$5,628.47	\$16,885	\$5,549.13	\$16,647	\$79.34	1.4%	\$4,007.09	\$12,021	\$3,789.27	\$11,368	\$217.81	5.7%
Metered	50%	\$20.16	\$16,885	\$19.74	\$16,647	\$0.42	2.1%	\$14.35	\$12,021	\$13.48	\$11,368	\$0.87	6.5%
Total Rev.			\$33,771		\$33,295				\$24,043		\$22,736		

Revenue Analysis

	Water	Sewer
Revenue Through Fixed Fees (Water: rates, fire, hook-on, int. Sewer: rates, 50% septage, hook-on, int.)	\$174,268	\$366,277
Revenue Through Variable Fees (Water: rates, sale of water Sewer: rates, 50% septage)	\$220,748	\$497,735
Total	\$395,016	\$864,012
Double Check to ensure the revenue raised by fees equals budgeted revenue goal (field should equal zero)	\$0	\$0
Capital Budget	\$210,306	\$207,274
Percent of Capital Budget that is covered by revenue raised by fixed fees	82.86%	176.71%

Sample Rate Changes

	FY23		FY22	
	Water	Sewer	Water	Sewer
Residential				
Metered	\$306.34	\$461.00	\$281.04	\$396.01
Fixed	\$131.29	\$197.57	\$120.45	\$169.72
Total	\$437.63	\$658.58	\$401.49	\$565.73
Total Combined	\$1,096.21		\$967.22	
Total Combined Dollar Change	\$128.98			
Total Combined Percentage Change	13.34%			
Commercial & Government				
Metered	\$961.67	\$762.68	\$954.93	\$712.57
Fixed	\$641.11	\$508.45	\$636.62	\$475.05
Total	\$1,602.78	\$1,271.13	\$1,591.54	\$1,187.61
Total Combined	\$2,873.91		\$2,779.16	
Total Combined Dollar Change	\$94.75			
Total Combined Percentage Change	3.41%			
School				
Metered	\$5,628.47	\$4,007.09	\$5,549.13	\$3,789.27
Fixed	\$5,628.47	\$4,007.09	\$5,549.13	\$3,789.27
Total	\$11,256.95	\$8,014.18	\$11,098.27	\$7,578.55
Total Combined	\$19,271.12		\$18,676.82	
Total Combined Dollar Change	\$594.30			
Total Combined Percentage Change	3.18%			

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