

FY2022 Water and Sewer Rate Sheet

Billed 4/1/21 - 3/31/22

Green Box is a manual entry number

Using FY20 usage rates

Budget

	Water	Sewer	Combined
FY21	\$358,965	\$606,387	\$965,352
FY22	\$369,492	\$621,302	\$990,794
Total Change FY21/FY22	\$10,527	\$14,915	\$25,442
Percent Change FY21/FY22	2.93%	2.46%	2.64%

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%		\$673.87
Allocated Accounts fixed rate for Water is half the Commercial and Government		\$321.33
Allocated Accounts fixed rate for Sewer is half the Commercial and Government		\$292.99

	Water						Sewer					
	FY22		FY21		Change FY21 to FY22		FY22		FY21		Change FY21 to FY22	
	Fixed Rate	Revenue	Fixed Rate	Revenue	Dollar Difference	Percentage Difference	Fixed Rate	Revenue	Fixed Rate	Revenue	Dollar Difference	Percentage Difference
Industry												
Fixed Rate							\$674.15	\$674	\$663.60	\$664	\$10.55	1.59%
Metered/Industry Usage							\$6,026	\$6,026	\$6,036	\$6,036		
Total Rev.							\$6,700	\$6,700	\$6,700	\$6,700		
Allocated Accounts												
Fixed Rate	\$321.51	\$1,286	\$318.29	\$1,273	\$3.22	1.01%	\$293.11	\$879	\$288.52	\$866	\$4.59	1.59%
Total Rev.		\$1,286		\$1,273			\$879	\$879	\$866	\$866		

Non-User Group Revenue

	Water				Sewer			
	FY22 Revenue	FY21 Revenue	FY22 Revenue	FY21 Revenue	FY22 Revenue	FY21 Revenue	FY22 Revenue	FY21 Revenue
Sale of Water		\$1,500		\$1,500				
Fire Protection/Tank Fee		\$49,932		\$49,641				
Septage Revenue					\$200,000		\$200,000	
Gateway Revenue							\$0	
Hook-on Fees		\$500		\$500	\$1,000		\$1,000	
Miscellaneous Fees							\$0	
Interest on Investments		\$500		\$1,500	\$1,200		\$3,500	
Total Other Revenue		\$52,432		\$53,141	\$202,200		\$204,500	

Total Revenue from Non-Core Users	\$53,718	\$54,414	\$209,779	\$212,066
Total Revenue remaining to be raised by core users	\$315,774	\$304,551	\$411,523	\$394,321

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				
	Gallons	Percentage	98%	Users	Gallons	Percentage	98%	Users		
Residential	9,351,600	53.78%	9,164,568	426	9,272,600	66.89%	9,087,148	423		
Commercial & Government	7,099,700	40.83%	6,957,706	76	3,651,900	26.34%	3,578,862	74		
School	938,700	5.40%	919,926	3	938,700	6.77%	919,926	3		
Industry				0				1		
Allocated Accounts				4				3		
total	17,390,000	100.00%	17,042,200		13,863,200	100.00%	13,585,936			

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

	Water			
	Adjustment	Adjusted FY22	Adjusted FY21	Adjusted FY21
Residential	-2.84%	50.93%	50.93%	50.93%
Commercial & Government	-2.16%	38.67%	38.67%	38.67%
School	5.00%	10.40%	10.40%	10.40%
Total		100.00%	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	9,351,600	56.84%
Commercial & Government	7,099,700	43.16%
Total	16,451,300	

Budget Allocations Per Core User Group

	FY22		FY21	
	Water	Sewer	Water	Sewer
Revenue to be raised from Core Users	\$315,774	\$411,523	\$304,551	\$394,321.44
Residential	\$160,834.81	\$275,252.84	\$155,118.48	\$263,747.55
Commercial & Government	\$122,105.19	\$108,404.96	\$117,765.38	\$103,873.74
School	\$32,833.95	\$27,864.87	\$31,666.98	\$26,700.15

Rates for Core User Groups

	Percent of Rev.	Water						Sewer					
		FY22		FY21		Change FY21 to FY22		FY22		FY21		Change FY21 to FY22	
		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%	\$113.26	\$48,250	\$111.33	\$46,536	\$1.93	1.7%	\$195.21	\$82,576	\$190.66	\$79,124	\$4.55	2.4%
Metered	70%	\$12.28	\$112,584	\$11.85	\$108,583	\$0.44	3.7%	\$21.20	\$192,677	\$20.32	\$184,623	\$0.89	4.4%
Total Rev.			\$160,835		\$155,118				\$275,253		\$263,748		
Commercial & Government													
Fixed Rate	40%	\$642.66	\$48,842	\$636.57	\$47,106	\$6.09	1.0%	\$585.97	\$43,362	\$577.08	\$41,549	\$8.90	1.5%
Metered	60%	\$10.53	\$73,263	\$10.16	\$70,659	\$0.37	3.7%	\$18.17	\$65,043	\$17.41	\$62,324	\$0.76	4.4%
Total Rev.			\$122,105		\$117,765				\$108,405		\$103,874		
School													
Fixed Rate	50%	\$5,472.33	\$16,417	\$5,277.83	\$15,833	\$194.50	3.7%	\$4,644.15	\$13,932	\$4,450.03	\$13,350	\$194.12	4.4%
Metered	50%	\$17.85	\$16,417	\$17.21	\$15,833	\$0.63	3.7%	\$15.15	\$13,932	\$14.51	\$13,350	\$0.63	4.4%
Total Rev.			\$32,834		\$31,667				\$27,865		\$26,700		

Revenue Analysis

	Water	Sewer
Revenue Through Fixed Fees (Water: rates, fire, hook-on, int. Sewer: rates, 50% septage, hook-on, int.)	\$165,728	\$243,624
Revenue Through Variable Fees (Water: rates, sale of water Sewer: rates, 50% septage)	\$203,764	\$377,678
Total	\$369,492	\$621,302
Double Check to ensure the revenue raised by fees equals budgeted revenue goal (field should equal zero)	\$0	\$0
Capital Budget	\$199,376	\$163,302
Percent of Capital Budget that is covered by revenue raised by fixed fees	83.12%	149.19%

Sample Rate Changes

	FY22		FY21	
	Water	Sewer	Water	Sewer
Residential				
Metered	\$264.28	\$455.50	\$259.77	\$444.88
Fixed	\$113.26	\$195.21	\$111.33	\$190.66
Total	\$377.55	\$650.72	\$371.10	\$635.54
Total Combined	\$1,028.26		\$1,006.63	
Total Combined Dollar Change	\$21.63			
Total Combined Percentage Change	2.15%			
Commercial & Government				
Metered	\$963.99	\$878.96	\$954.85	\$865.61
Fixed	\$642.66	\$585.97	\$636.57	\$577.08
Total	\$1,606.65	\$1,464.93	\$1,591.42	\$1,442.69
Total Combined	\$3,071.58		\$3,034.11	
Total Combined Dollar Change	\$37.46			
Total Combined Percentage Change	1.23%			
School				
Metered	\$5,472.33	\$4,644.15	\$5,277.83	\$4,450.03
Fixed	\$5,472.33	\$4,644.15	\$5,277.83	\$4,450.03
Total	\$10,944.65	\$9,288.29	\$10,555.66	\$8,900.05
Total Combined	\$20,232.94		\$19,455.71	
Total Combined Dollar Change	\$777.23			
Total Combined Percentage Change	3.99%			

Signed by Richmond Water and Sewer Commission on this 18th day of May, 2021.

Bard Hill, Chair

Don Morin

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