

# FY2022 Water and Sewer Rate Sheet

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

Green Box is a manual entry number

Using Usage from 4/1/19 - 3/31/20

## Budget

	Water	Sewer	Combined
FY21	\$358,965	\$606,387	\$965,352
FY22	\$379,492	\$789,537	\$1,169,029
Total Change FY21/FY22	\$20,527	\$183,150	\$203,677
Percent Change FY21/FY22	5.72%	30.20%	21.10%

## 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%	\$546.30
Allocated Accounts fixed rate for Water is half the Commercial and Government	\$318.31
Allocated Accounts fixed rate for Sewer is half the Commercial and Government	\$237.52

	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
<b>Industry</b>												
Fixed Rate							\$546.25	\$546	\$663.60	\$664	-\$117.35	-17.68%
Metered/Industry Usage								\$6,154		\$6,036		
Total Rev.								\$6,700		\$6,700		
<b>Allocated Accounts</b>												
Fixed Rate	\$318.31	\$1,273	\$318.29	\$1,273	\$0.02	0.01%	\$237.52	\$713	\$288.52	\$866	-\$51.00	-17.68%
Total Rev.		\$1,273		\$1,273				\$713		\$866		

### Non-User Group Revenue

	Water				Sewer			
	FY22 Revenue		FY21 Revenue		FY22 Revenue		FY21 Revenue	
Sale of Water		\$1,500		\$1,500				
Fire Protection/Tank Fee		\$50,432		\$49,641				
Septage Revenue					\$430,000		\$200,000	
Gateway Revenue							\$0	
Hook-on Fees		\$500		\$500	\$1,000		\$1,000	
Miscellaneous Fees				\$0			\$0	
Interest on Investments		\$500		\$1,500	\$1,200		\$3,500	
<b>Total Other Revenue</b>		\$52,932		\$53,141	\$432,200		\$204,500	

<b>Total Revenue from Non-Core Users</b>	\$54,205	\$54,414	\$439,613	\$212,066
<b>Total Revenue remaining to be raised by core users</b>	\$325,287	\$304,551	\$349,924	\$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	9,124,300	55.51%	8,941,814	426	9,058,300	68.39%	8,877,134	423		
Commercial & Government	6,452,800	39.26%	6,323,744	76	3,326,600	25.11%	3,260,068	74		
School	860,600	5.24%	843,388	3	860,600	6.50%	843,388	3		
Industry				0				1		
Allocated Accounts				4				3		
<b>total</b>	<b>16,437,700</b>	<b>100.00%</b>	<b>16,108,946</b>		<b>13,245,500</b>	<b>100.00%</b>	<b>12,980,590</b>			

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

	Water			
	Adjustment	Adjusted FY22	Adjusted FY21	Adjusted FY21
Residential	-2.93%		52.58%	50.93%
Commercial & Government	-2.07%		37.18%	38.67%
School	5.00%		10.24%	10.40%
<b>Total</b>			<b>100.00%</b>	<b>100.00%</b>

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	9,124,300	58.58%
Commercial & Government	6,452,800	41.42%
<b>Total</b>	<b>15,577,100</b>	

### Budget Allocations Per Core User Group

	FY22		FY21	
	Water	Sewer	Water	Sewer
Revenue to be raised from Core Users	\$325,287	\$349,924	\$304,551	\$394,321.44
Residential	\$171,034.54	\$239,305.47	\$155,118.48	\$263,747.55
Commercial & Government	\$120,957.41	\$87,883.33	\$117,765.38	\$103,873.74
School	\$33,294.81	\$22,735.64	\$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
<b>Residential</b>													
Fixed Rate	30%	\$120.45	\$51,310	\$111.33	\$46,536	\$9.12	8.2%	\$169.72	\$71,792	\$190.66	\$79,124	-\$20.94	-11.0%
Metered	70%	\$13.39	\$119,724	\$11.85	\$108,583	\$1.54	13.0%	\$18.87	\$167,514	\$20.32	\$184,623	-\$1.45	-7.1%
<b>Total Rev.</b>			\$171,035		\$155,118			\$239,305		\$263,748			
<b>Commercial &amp; Government</b>													
Fixed Rate	40%	\$636.62	\$48,383	\$636.57	\$47,106	\$0.05	0.0%	\$475.05	\$35,153	\$577.08	\$41,549	-\$102.03	-17.7%
Metered	60%	\$11.48	\$72,574	\$10.16	\$70,659	\$1.32	13.0%	\$16.17	\$52,730	\$17.41	\$62,324	-\$1.24	-7.1%
<b>Total Rev.</b>			\$120,957		\$117,765			\$87,883		\$103,874			
<b>School</b>													
Fixed Rate	50%	\$5,549.13	\$16,647	\$5,277.83	\$15,833	\$271.30	5.1%	\$3,789.27	\$11,368	\$4,450.03	\$13,350	-\$660.75	-14.8%
Metered	50%	\$19.74	\$16,647	\$17.21	\$15,833	\$2.53	14.7%	\$13.48	\$11,368	\$14.51	\$13,350	-\$1.03	-7.1%
<b>Total Rev.</b>			\$33,295		\$31,667			\$22,736		\$26,700			

## Revenue Analysis

	Water	Sewer
Revenue Through Fixed Fees (Water: rates, fire, hook-on, int. Sewer: rates, 50% septage, hook-on, int.)	\$169,046	\$336,772
Revenue Through Variable Fees (Water: rates, sale of water Sewer: rates, 50% septage)	\$210,446	\$452,765
<b>Total</b>	<b>\$379,492</b>	<b>\$789,537</b>
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	84.79%	206.23%

## Sample Rate Changes

	FY22		FY21	
	Water	Sewer	Water	Sewer
<b>Residential</b>				
Metered	\$281.04	\$396.01	\$259.77	\$444.88
Fixed	\$120.45	\$169.72	\$111.33	\$190.66
Total	\$401.49	\$565.73	\$371.10	\$635.54
Total Combined	\$967.22		\$1,006.63	
Total Combined Dollar Change	-\$39.41			
Total Combined Percentage Change	-3.91%			
<b>Commercial &amp; Government</b>				
Metered	\$954.93	\$712.57	\$954.85	\$865.61
Fixed	\$636.62	\$475.05	\$636.57	\$577.08
Total	\$1,591.54	\$1,187.61	\$1,591.42	\$1,442.69
Total Combined	\$2,779.16		\$3,034.11	
Total Combined Dollar Change	-\$254.96			
Total Combined Percentage Change	-8.40%			
<b>School</b>				
Metered	\$5,549.13	\$3,789.27	\$5,277.83	\$4,450.03
Fixed	\$5,549.13	\$3,789.27	\$5,277.83	\$4,450.03
Total	\$11,098.27	\$7,578.55	\$10,555.66	\$8,900.05
Total Combined	\$18,676.82		\$19,455.71	
Total Combined Dollar Change	-\$778.89			
Total Combined Percentage Change	-4.00%			

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

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Bard Hill, Chair

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