

Richmond County Water Utility
Water Rate Study

Prepared By

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in Association with

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INDEX

NOTES TO WORKSHEETS

WORKSHEETS B-1 TO D-2

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**RICHMOND COUNTY WATER UTILITY
NOTES ON WORKSHEETS
SUPPLEMENTAL NOTES ON WORKSHEETS**

WORKSHEET B-1

It is noted that the column labeled 2022/23 (Actual F/S) is taken from the audited Financial Statements. Review of the cost items under Operating Expenditures indicated the Administration Charge - Richmond County (Special Assessment from Municipality) had been allocated 100% to Transmission and Distribution in the Financial Statements. To assist in comparing the 2022/23 expenses to the detailed breakdown in 2023/24 (and the test years) the expenses for 2022/23 have been allocated based on the allocations of the Special Assessment on Worksheet B-2a/b/c/d/e as budgeted by the utility. The total expenses are the same, only the allocation of the Special Assessment from the Municipality has been changed.

The Utility has included transfers from the Surplus to the Non-Operating Revenues in 2024/25 (\$68,000) and 2025/26 (\$30,000) to smooth the rate increases over the Test Years. With the requested transfer the rates for the average 5/8" customer will increase by 15.3% (\$13.87 quarterly) in 24/25, 13.9% (\$14.54 quarterly) in 25/26, and 8.6% (\$10.26 quarterly) in 26/27. Without the above noted transfers the rates for the 5/8" customers would increase 29.3% (\$26.62 quarterly) in 24/25, 6.1% (\$7.19 quarterly) in 25/26, and 3.9% (\$4.85 quarterly) in 26/27.

WORKSHEET C-1

The Utility is requesting that the fire protection rate in both 2024/25 and 2025/26 be set at the current approved fire protection rate of \$147,063. The rate in 2024/25 would be \$113,087 in 2024/25 and \$138,786 in 2024/25 without the requested adjustment. The rate in the final test year, 2026/27, is \$161,114 as calculated in the water rate study. This adjustment is requested to assist in rate smoothing for customers.

WORKSHEET B-2a/b/c/d/e

It is noted that Worksheet B-1 contains two columns for the breakdown of 2022/23 operating expenses. The first column, labeled 2022/23 (Actual F/S), has been taken from the audited financial Statements. The total of all Operating Expenditures in each columns noted above is \$676,960. The second column allows for a comparison of the proposed budgets to the 2022/23 results with the Utilities allocation of the assessment from the Municipality. Staff prepared estimated expenses for the current year as well as budgets for 2024/25. The final two test years are based on an inflation rate of 3% per year.

WORKSHEET B-3

The Depreciation has been calculated based on the addition of the planned infrastructure plus the phasing in of the remaining depreciation in the water treatment plant capitalized in 2019/20 over the final two year (\$21,606 per year).

WORKSHEET C-3

In the first test year, 2024/25, Transmission and Distribution is allocated 90% to Base and 10% to Delivery while Depreciation is allocated 100% to Base. In the second test year, 2025/26, Transmission and Distribution is allocated 65% to Base and 35% to Delivery while Depreciation is allocated 100% to Base. In the third test year, 2026/27, Transmission and Distribution is allocated 55% to Base and 45% to Delivery while Depreciation is allocated 100% to Base. This allocation maintains projected revenue from the Base charge at 41% in all three test years. The other allocations on Worksheet C-3 follow the Handbook.

WORKSHEET C-4

The total number of 5/8" customers is projected to increase by 5 in each of the final two test years.

WORKSHEET C-6

Consumption for 5/8 inch customers has declined 0.8% per year since the previous rate study. The rate study includes a 0.8% per year reduction per year in consumption for 5/8 inch customers. .

WORKSHEET D-2

The revenue and the fire protection rate in 24/25 are based on one quarter at the current rates and three quarters at the rates calculated in the rate study.

GENERAL NOTES ON WORKSHEETS

Worksheet B-1

This worksheet includes a summary of the operating revenues, operating expenditures, non-operating revenues and non-operating expenditures for the years 22/23 (actual) and 23/24 (Projected) as provided by the Utility.

Operating Revenues - The operating revenue for 24/25, 25/26, and 26/27 is based on the Utility's budget. The revenue includes no projected growth of new customers. The fire protection rate is based on rate approved in the last rate hearing.

Operating Expenditures - The projection of expenses for the test years is as derived from Worksheet B-2a/2b/2c/2d/2e. The Depreciation has been calculated based on the addition of the planned infrastructure and the phasing in of the remaining depreciation in the water treatment plant capitalized in 2019/20 over the final two year .

Non-operating Revenues – There is non-operating revenue projected during the test years based on the Utility's budget for interest and other non-operating revenue.

Non-operating Expenditures – The non-operating expenditures include interest and principal on the existing debt, proposed new debt, and capital out of revenue.

Accumulated Surplus (Deficit) The Utility has a projected deficit in all test years.

Worksheet B-2

This worksheet takes the information from Worksheet B-1 to develop revenue requirements for the years for 24/25, 25/26, and 26/27.

Worksheet B-2a/2b/2c/2d/2e

This worksheet provides the breakdown of the estimated operating expenditures as provided by the Utility for the year 23/24. The projected expenditures for the years for 24/25, 25/26, and 26/27 are taken from information provided by the Utility and are based on projected budgets or an increase from the previous year based on 3% for inflation.

Worksheet B-3

This worksheet calculates the depreciation per year and the depreciation fund balance based on the proposed capital works for the years 23/24, 24/25, 25/26, and 26/27 and the phasing in of the remaining depreciation on the treatment plant capitalized in 2019/20 in 2025/26 and 2026/27. The depreciation fund balance for the year 22/23 is taken from the Financial Statements.

Worksheet B-4

This worksheet is used for the projected capital contribution.

Worksheet B-5

This worksheet allocates the assets of the Utility between general service and fire protection. Each year includes the addition of the proposed capital works identified in Worksheet B-3. Production assets are allocated 90% general service and 10% fire protection. Demand assets are allocated 40% general service and 60% fire protection.

Worksheet C-1

This worksheet uses the percentage of total assets allocated to fire protection from Worksheet B-5 to determine the allocation of transmission and distribution; depreciation, taxes and return on rate base to the fire protection charge. The remaining expenses are allocated at 10% to fire protection.

Worksheet C-2

This worksheet calculates the return on rate base

Worksheet C-3

This worksheet allocates expenses among customer charge, base charge, delivery and production.

Worksheet C-4

This worksheet sets out the number and size of meters in the Utility and by use of the capacity ratio establishes the system equivalents.

Worksheet C-5

This worksheet uses the information from Worksheet's C-3 and C-4 to calculate quarterly base charge for each size of meter.

Worksheet C-6

This worksheet sets out the water consumption by meter size. The data for current year is based on information provided by the Utility.

Worksheet C-7

This worksheet uses information from Worksheet's C-3 and C-6 to calculate the consumption charge for years 24/25, 25/26, and 26/27.

Worksheet C-8

This worksheet is used as a check to determine that the potential revenues will be the same as the requirements on Worksheet C-3.

Worksheet D-1

This worksheet is a comparison of existing and proposed rates.

Worksheet D-2

This worksheet provides a comparative statement of Operations for the current year as well as the test years.

Richmond County Water Utility Comparative Statement of Operations

Fiscal Years ending March 31st

	2022/23 (Actual F/S)	2023/24 (Budget)	Projection Using Current Rates		
			2024/25 Test Year 1	2025/26 Test Year 2	2026/27 Test Year 3
OPERATING REVENUES					
Base Rate Sales	188,836	186,500	187,400	188,385	189,370
Metered Sales	333,026	335,000	336,675	337,723	338,771
Public Fire Protection	147,063	147,063	147,063	147,063	147,063
Connection Charges for New Services	0	10,000	10,000	10,000	10,000
Sundry	22,060	10,000	10,000	10,000	10,000
Total	690,985	688,563	691,138	693,171	695,204
OPERATING EXPENDITURES					
Power and Pumping	94,466	134,416	127,698	131,529	135,475
Water Treatment	152,431	265,743	284,365	292,896	301,683
Transmission and Distribution	353,299	177,496	176,171	181,456	186,900
Administration and General	76,764	170,814	133,612	131,842	135,169
Depreciation	98,638	103,721	114,437	148,790	174,426
Other	0	0	0	0	0
Total	775,598	852,190	836,284	886,514	933,653
OPERATING PROFIT (LOSS)	-84,613	-163,627	-145,146	-193,343	-238,449
NON-OPERATING REVENUES					
Interest and other income		7,500	7,500	7,500	7,500
Transfer from Surplus Account	0	0	68,000	30,000	0
Other	0	0	0	0	0
Total	0	7,500	75,500	37,500	7,500
NON-OPERATING EXPENDITURES					
New Debt - Principal	0	0	0	0	0
New Debt - Interest	0	0	0	0	0
New Debt - Principal				0	0
New Debt - Interest				0	0
New Debt - Principal					0
New Debt - Interest					0
Permit Fee					
Interim Financing					
Capital out of Revenue	0	0	0	0	0
Dividend to Owner		0	0	0	0
Other			0	0	0
Total	0	0	0	0	0
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	-84,613	-156,127	-69,646	-155,843	-230,949
BEGINNING FUND BALANCE	589,672	505,059	348,932	211,286	25,443
LESS TRANSFER FROM SURPLUS	0	0	68,000	30,000	0
ACCUMULATED SURPLUS (DEFICIT)	505,059	348,932	211,286	25,443	-205,505

Richmond County Water Utility					
Statement of Operating Expenditures and Revenue Requirements					
	2022/23 (Actual)	2023/24 (Budget)	2024/25 Test Year 1	2025/26 Test Year 2	2026/27 Test Year 3
OPERATING EXPENDITURES					
Power and Pumping	94,466	134,416	127,698	131,529	135,475
Water Treatment	152,431	265,743	284,365	292,896	301,683
Transmission and Distribution	353,299	177,496	176,171	181,456	186,900
Administration and General	76,764	170,814	133,612	131,842	135,169
Depreciation	98,638	103,721	114,437	148,790	174,426
Other	0	0	0	0	0
Total	775,598	852,190	836,284	886,514	933,653
ADD NON-OPERATING EXPENDITURES					
New Debt - Principal	0	0	0	0	0
New Debt - Interest	0	0	0	0	0
New Debt - Principal	0	0	0	0	0
New Debt - Interest	0	0	0	0	0
New Debt - Principal	0	0	0	0	0
New Debt - Interest	0	0	0	0	0
Permit Fee	0	0	0	0	0
Interim Financing	0	0	0	0	0
Capital out of Revenue	0	0	0	0	0
Dividend to Owner	0	0	0	0	0
Other	0	0	0	0	0
Total	0	0	0	0	0
LESS NON-OPERATING REVENUES					
Interest and other income	0	7,500	7,500	7,500	7,500
Transfer from Surplus Account	0	0	68,000	30,000	0
Other	0	0	0	0	0
Total	0	7,500	75,500	37,500	7,500
LESS OTHER OPERATING REVENUE					
Interest and Other Income	22,060	10,000	10,000	10,000	10,000
Connection Charges for New Services		10,000	10,000	10,000	10,000
Private Hydrant Charge					
Total	22,060	20,000	20,000	20,000	20,000
REVENUE REQUIRED FROM FIRE PROTECTION AND WATER CUSTOMERS					
	753,538	824,690	740,784	829,014	906,153

Richmond County Water Utility Statement of Operating Expenditures						
	2022/23 (Actual F/S)	2022/23 (Actual)	2023/24 (Budget)	2024/25 Test Year 1	2025/26 Test Year 2	2026/27 Test Year 3
POWER AND PUMPING						
Special Assessment from the Municipality	0	13,116	13,416	13,818	14,233	14,660
Power Purchased	66,546	66,546	76,000	78,280	80,628	83,047
Maintenance of Structures	27,920	0	20,000	20,600	21,218	21,855
Maintenance of Pumping Plant	0	27,920	25,000	15,000	15,450	15,914
Other	0	0	-	0	0	0
TOTAL POWER AND PUMPING	94,466	107,582	134,416	127,698	131,529	135,475
WATER TREATMENT						
Special Assessment from the Municipality	0	118,041	120,743	124,365	128,096	131,939
Supplies and Expenses	152,431	152,431	145,000	160,000	164,800	169,744
Other	0	0	0	0	0	0
TOTAL WATER TREATMENT	152,431	270,472	265,743	284,365	292,896	301,683
TRANSMISSION AND DISTRIBUTION						
Special Assessment from the Municipality	262,313	78,694	80,496	82,911	85,398	87,960
Maintenance of Mains	86,075	86,075	30,000	45,000	46,350	47,741
Maintenance of Services	0	0	42,000	43,260	44,558	45,895
Maintenance of Meters	4,911	4,911	10,000	0	0	0
Maintenance of Hydrants	0	0	10,000	0	0	0
Maintenance of Water Tower	0	0	5,000	5,000	5,150	5,305
Other	0	0	0	0	0	0
TOTAL TRANSMISSION AND DISTRIBUTION	353,299	169,680	177,496	176,171	181,456	186,900

Worksheet B-2a/2b/2c/2d/2e

ADMINISTRATION AND GENERAL						
Bad Debt Expense (recovery)	-2,366	-2,366	500	515	530	546
Regulatory Expenses	2,696	2,696	2,650	2,730	2,811	2,896
Insurance	20,954	20,954	21,000	20,954	20,954	20,954
Prof Fees / Audit / Ads	20,388	20,388	45,000	10,000	10,300	10,609
Office Supplies	2,500	2,500	3,000	3,090	3,183	3,278
Miscellaneous	32,592	32,592	2,500	2,575	2,652	2,732
Water Testing Costs	0		32,500	33,475	34,479	35,514
Special Assessment from the Municipality	0	52,463	53,664	55,274	56,932	58,640
Other - Water Rate Study / Hearing			10,000	5,000	0	0
TOTAL ADMINISTRATION AND GENERAL	76,764	129,227	170,814	133,612	131,842	135,169

Richmond County Water Utility					
Calculation of Depreciation of Tangible Plant at Total Cost					
2023/24					
	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation rate as of March 31 previous year	98,638
LAND AND LAND RIGHTS					
Source of Supply Land		0	0		0
Land - General					0
STRUCTURES AND IMPROVEMENTS					
Source of Supply Structures	0	0	0	0.02	0
Power and Pumping Structures		0	0	0.02	0
Purification	0		0	0.04	0
Distribution Reservoirs and Standpipes	80,000	30,000	50,000	0.04	3,200
Water Treatment Plant		0	0	0.02	0
General - Watershed Study		0	0	0.04	0
Other Water Source Structures		0	0		0
Equipment					
Electrical Pumping		0	0	0.05	0
Purification Equipment		0	0	0.05	0
Other Pumping		0	0		0
Transportation Equipment		0	0	0	0
Tools and Work Equipment		0	0		0
GIS System		0	0		0
Distribution Mains Equipment	25,000	0	25,000	0.05	1,250
Meter Shop Equipment		0	0	0	0
Other Equipment		0	0	0.04	0
Mains					
Transmission		0	0	0.01333	0
Distribution		0	0		0
Meters					
	10,000	0	10,000	0.05	500
Hydrants					
	10,000	0	10,000	0.0133	133
Sprinkler Connections					
			0		0
Services					
		0	0	0.02	0
Other					
					0
TOTAL	125,000	30,000	95,000	0	5,083
Source of Funding					
			Depreciation Fund Balance beginning of year		276,005
Outside Funding	30,000		Interest on Fund balance		4,140
Depreciation fund	95,000		Fund balance before expenditures		280,145
Long Term Debt	0		Depreciation Contribution for the Year		103,721
			Depreciation Spent During the Year		95,000
Capital our of Revenue	0				
TOTAL	125,000		Balance after expenditures and transfer		288,866

Richmond County Water Utility					
Calculation of Depreciation of Tangible Plant at Total Cost					
2024/25					
	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation rate as of March 31 previous year	103,721
				Depreciaton for WTP from previous rate study	
LAND AND LAND RIGHTS					
Source of Supply Land		0	0		0
Land - General					0
STRUCTURES AND IMPROVEMENTS					0
Source of Supply Structures		0	0	0.01333	0
Power and Pumping Structures		0	0	0.02	0
Purification			0	0	0
Distribution Reservoirs and Standpipes		0	0	0.02	0
Water Treatment Plant		0	0	0.02	0
General - Watershed Study		0	0	0.04	0
Other Bulk Water Fill Station	125,000	62,500	62,500	0.04	5,000
Equipment		0	0		0
Electrical Pumping	35,000	17,500	17,500	0.05	1,750
Purification Equipment		0	0	0.05	0
Other Pumping		0	0		0
Transportation Equipment		0	0	0	0
Tools and Work Equipment		0	0		0
GIS System		0	0		0
Distribution Mains Equipment		0	0	0.05	0
Meter Shop Equipment		0	0	0	0
Other Equipment		0	0	0.04	0
Mains		0	0		0
Transmission		0	0	0.01333	0
Distribution	250,000	125,000	125,000	0.01333	3,333
Meters	10,000	5,000	5,000	0.05	500
Hydrants	10,000	5,000	5,000	0.0133	133
Sprinkler Connections			0		0
Services		0	0	0.02	0
Other					0
TOTAL	430,000	215,000	215,000	0	10,716
Source of Funding				Depreciation Fund Balance beginning of year	288,866
Outside Funding	215,000			Interest on Fund balance	4,333
Depreciation fund	215,000			Fund balance before expenditures	293,199
Long Term Debt	0			Depreciation Contribution for the Year	114,437
Capital out of revenue	0			Depreciation Spent During the Year	215,000
TOTAL	430,000			Balance after expenditures and transfer	192,636

Richmond County Water Utility					
Calculation of Depreciation of Tangible Plant at Total Cost					
2025/26					
	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation rate as of March 31 previous year	114,437
				Depreciation for WTP from previous rate study	21,606
LAND AND LAND RIGHTS					
Source of Supply Land	0	0	0		0
Land - General	0				0
STRUCTURES AND IMPROVEMENTS					0
Source of Supply Structures	125,000	62,500	62,500	0.02	2,500
Power and Pumping Structures	0	0	0	0.02	0
Purification	125,000	62,500	62,500	0.04	5,000
Distribution Reservoirs and Standpipes	0	0	0	0.02	0
Water Treatment Plant	0	0	0	0.02	0
General Wellfield Development	0	0	0	0.04	0
Other Water Source Structures		0	0		0
Equipment		0	0		0
Electrical Pumping	25,000	0	25,000	0.05	1,250
Purification Equipment	0	0	0	0.05	0
Office Furniture and Equipment	0	0	0		0
Transportation Equipment		0	0	0	0
Tools and Work Equipment		0	0		0
GIS System		0	0		0
Distribution Mains Equipment	0	0	0	0.05	0
Meter Shop Equipment		0	0	0	0
Other Equipment - Generator	0	0	0	0.04	0
Mains		0	0		0
Transmission	0	0	0	0.01333	0
Distribution	250,000	125,000	125,000	0.01333	3,333
Meters	10,500	5,250	5,250	0.05	525
Hydrants	10,500	5,250	5,250	0.0133	140
Sprinkler Connections			0		0
Services	0	0	0	0.02	0
Other					0
TOTAL	546,000	260,500	285,500	0	12,747
Source of Funding					
				Depreciation Fund Balance beginning of year	192,636
Outside Funding	260,500			Interest on Fund balance	2,890
Depreciation fund	285,500			Fund balance before expenditures	195,525
Long Term Debt	0			Depreciation Contribution for the Year	148,790
Capital out of revenue	0			Depreciation Spent During the Year	285,500
TOTAL	546,000			Balance after expenditures and transfer	58,815

Richmond County Water Utility
Calculation of Depreciation of Tangible Plant at Total Cost
2026/27

	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation rate as of March 31 previous year	148,790
				Depreciaton for WTP from previous rate study	21,606
LAND AND LAND RIGHTS					
Source of Supply Land	0		0		0
Land - General					0
STRUCTURES AND IMPROVEMENTS					
Source of Supply Structures			0	0.01333	0
Power and Pumping Structures			0	0.02	0
Purification			0	0	0
Distribution Reservoirs and Standpipes		0	0	0.02	0
Water Treatment Plant			0	0.02	0
General		0	0	0.04	0
Other Water Source Structures			0		0
Equipment			0		0
Electrical Pumping		0	0	0.05	0
Purification Equipment		0	0	0.05	0
Office Furniture and Equipment			0		0
Transportation Equipment		0	0	0.0133	0
Tools and Work Equipment			0		0
GIS System			0		0
Distribution Mains Equipment	0		0	0.05	0
Meter Shop Equipment		0	0	0.05	0
Other Equipment			0		0
Mains			0		0
Transmission	0		0	0.0133	0
Distribution	250,000	125,000	125,000	0.01333	3,333
Meters	11,000	5,500	5,500	0.05	550
Hydrants	11,000	5,500	5,500	0.01333	147
Sprinkler Connections			0		0
Services	0	0	0		0
Other					0
TOTAL	272,000	136,000	136,000	0	4,029

Source of Funding		Depreciation Fund Balance beginning of year	58,815
Outside Funding	136,000	Interest on Fund balance	882
Depreciation fund	136,000	Fund balance before expenditures	59,697
Long Term Debt	0	Depreciation Contribution for the Year	174,426
Capital out of revenue	0	Depreciation Spent During the Year	136,000
TOTAL	272,000	Balance after expenditures and transfer	98,123

Richmond County Water Utility Calculation of Amortization on Capital Contributions (to Plant) 2024/25			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.00	0
Land - General	0	0.00	0
STRUCTURES AND IMPROVEMENTS	0	0.00	0
Source of Supply Structures	0	0.01	0
Power and Pumping Structures	0	0.02	0
Purification	0	0.00	0
Distribution Reservoirs and Standpipes	0	0.02	0
Water Treatment Plant	0	0.02	0
General - Watershed Study	0	0.04	0
Other Water Source Structures	62,500	0.04	2,500
Equipment	0	0.00	0
Electrical Pumping	17,500	0.05	875
Purification Equipment	0	0.05	0
Office Furniture and Equipment	0	0.00	0
Transportation Equipment	0	0.0000	0
Tools and Work Equipment	0	0.00	0
GIS System	0	0.00	0
Distribution Mains Equipment	0	0.05	0
Meter Shop Equipment	0	0.00	0
Other Equipment	0	0.04	0
Mains	0	0.00	0
Transmission	0	0.0133	0
Distribution	125,000	0.0133	1,666
Meters	5,000	0.050	250
Hydrants	5,000	0.0133	67
Sprinkler Connections	0	0.00	0
Services	0	0.02	0
Other	0	0.00	0
TOTAL	215,000		5,358

<p align="center">Richmond County Water Utility Calculation of Amortization on Capital Contributions (to Plant) 2025/26</p>			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.00	0
Land - General	0	0.00	0
STRUCTURES AND IMPROVEMENTS		0.00	0
Source of Supply Structures	62,500	0.02	1,250
Power and Pumping Structures	0	0.02	0
Purification	62,500	0.04	2,500
Distribution Reservoirs and Standpipes	0	0.0200	0
Water Treatment Plant	0	0.02	0
General - Watershed Study	0	0.04	0
Other Water Source Structures	0	0.00	0
Equipment	0	0.00	0
Electrical Pumping	0	0.05	0
Purification Equipment	0	0.05	0
Office Furniture and Equipment	0	0.00	0
Transportation Equipment	0	0.00	0
Tools and Work Equipment	0	0.00	0
GIS System	0	0.00	0
Distribution Mains Equipment	0	0.05	0
Meter Shop Equipment	0	0.00	0
Other Equipment	0	0.04	0
Mains	0	0.00	0
Transmission	0	0.0133	0
Distribution	125,000	0.0133	1,666
Meters	5,250	0.05	263
Hydrants	5,250	0.0133	70
Sprinkler Connections	0	0.00	0
Services	0	0.02	0
Other	0	0.00	0
TOTAL	260,500		5,749

<p align="center">Richmond County Water Utility Calculation of Amortization on Capital Contributions (to Plant) 2026/27</p>			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.00	0
Land - General	0	0.00	0
STRUCTURES AND IMPROVEMENTS	0	0.00	0
Source of Supply Structures	0	0.01	0
Power and Pumping Structures	0	0.02	0
Purification	0	0.00	0
Distribution Reservoirs and Standpipes	0	0.02	0
Water Treatment Plant	0	0.02	0
General - Watershed Study	0	0.04	0
Other Water Source Structures	0	0.00	0
Equipment	0	0.00	0
Electrical Pumping	0	0.05	0
Purification Equipment	0	0.05	0
Office Furniture and Equipment	0	0.00	0
Transportation Equipment	0	0.01	0
Tools and Work Equipment	0	0.00	0
GIS System	0	0.00	0
Distribution Mains Equipment	0	0.05	0
Meter Shop Equipment	0	0.05	0
Other Equipment	0	0.00	0
Mains	0	0.00	0
Transmission	0	0.01	0
Distribution	125,000	0.0133	1,663
Meters	5,500	0.05	275
Hydrants	5,500	0.1333	733
Sprinkler Connections	0	0.00	0
Services	0	0.00	0
Other	0	0.00	0
TOTAL	136,000		2,671

Richmond County Water Utility
Allocation of the Total Cost of Utility Plant in Service
Between General Service and Fire Protection
2023/24

	Utility Plant in Service Previous Year	Additions	Utility Plant in Service	Percent	General Service	Percent	Fire Protection
Intangible Plant							
Work in Process			-	100.0%	0	0.0%	0
Tangible Plant							
LAND AND LAND RIGHTS							
Source of Supply Land	-	-	-	90.0%	0	10.0%	0
Land - General	93,060	-	93,060	90.0%	83,754	10.0%	9,306
STRUCTURES AND IMPROVEMENTS							
Source of Supply Structures	466,859	-	466,859	90.0%	420,173	10.0%	46,686
Power and Pumping Structures	1,882,301	-	1,882,301	90.0%	1,694,071	10.0%	188,230
Purification				90.0%	0	10.0%	0
Distribution Reservoirs and Standpipes	827,160	80,000	907,160	40.0%	362,864	60.0%	544,296
Water Treatment Plant	3,231,032	-	3,231,032	90.0%	2,907,929	10.0%	323,103
General				90.0%	0	10.0%	0
Other Water Source Structures				90.0%	0	10.0%	0
Equipment							
Electrical Pumping	93,317	-	93,317	90.0%	83,985	10.0%	9,332
Purification Equipment	417,478	-	417,478	90.0%	375,730	10.0%	41,748
Other Pumping	35,264	-	35,264	90.0%	31,738	10.0%	3,526
Transportation Equipment				90.0%	0	10.0%	0
Tools and Work Equipment				90.0%	0	10.0%	0
GIS System				100.0%	0	0.0%	0
Distribution Mains Equipment		25,000	25,000	40.0%	10,000	60.0%	15,000
Meter Shop Equipment				90.0%	0	10.0%	0
Other Equipment	134,374	-	134,374	90.0%	120,937	10.0%	13,437
Mains							
Transmission	1,328,637	-	1,328,637	40.0%	531,455	60.0%	797,182
Distribution	1,703,915	-	1,703,915	40.0%	681,566	60.0%	1,022,349
Meters	247,539	10,000	257,539	100.0%	257,539	0.0%	0
Hydrants	313,409	10,000	323,409	0.0%	0	100.0%	323,409
Sprinkler Connections				0.0%	0	100.0%	0
Services	265,196	-	265,196	100.0%	265,196	0.0%	0
Other				50.0%	0	50.0%	0
TOTAL	11,039,541	125,000	11,164,541	70.1%	7,826,936	29.9%	3,337,605

Richmond County Water Utility Allocation of the Total Cost of Utility Plant in Service Between General Service and Fire Protection 2024/25							
	Utility Plant in Service Previous Year	Additions	Utility Plant in Service	Percent	General Service	Percent	Fire Protection
Intangible Plant							
Work in Process			-	100.0%	0	0.0%	0
Tangible Plant							
LAND AND LAND RIGHTS							
Source of Supply Land	-	-	-	90.0%	0	10.0%	0
Land - General	93,060	-	93,060	90.0%	83,754	10.0%	9,306
STRUCTURES AND IMPROVEMENTS							
Source of Supply Structures	466,859	-	466,859	90.0%	420,173	10.0%	46,686
Power and Pumping Structures	1,882,301	-	1,882,301	90.0%	1,694,071	10.0%	188,230
Purification	-	-	-	90.0%	0	10.0%	0
Distribution Reservoirs and Standpipes	907,160	-	907,160	40.0%	362,864	60.0%	544,296
Water Treatment Plant	3,231,032	-	3,231,032	90.0%	2,907,929	10.0%	323,103
General	-	-	-	90.0%	0	10.0%	0
Other Water Source Structures	-	125,000	125,000	90.0%	112,500	10.0%	12,500
Equipment							
Electrical Pumping	93,317	35,000	128,317	90.0%	115,485	10.0%	12,832
Purification Equipment	417,478	-	417,478	90.0%	375,730	10.0%	41,748
Other Pumping	35,264	-	35,264	90.0%	31,738	10.0%	3,526
Transportation Equipment	-	-	-	90.0%	0	10.0%	0
Tools and Work Equipment	-	-	-	90.0%	0	10.0%	0
GIS System	-	-	-	100.0%	0	0.0%	0
Distribution Mains Equipment	25,000	-	25,000	40.0%	10,000	60.0%	15,000
Meter Shop Equipment	-	-	-	90.0%	0	10.0%	0
Other Equipment	134,374	-	134,374	90.0%	120,937	10.0%	13,437
Mains							
Transmission	1,328,637	-	1,328,637	40.0%	531,455	60.0%	797,182
Distribution	1,703,915	250,000	1,953,915	40.0%	781,566	60.0%	1,172,349
Meters							
	257,539	10,000	267,539	100.0%	267,539	0.0%	0
Hydrants							
	323,409	10,000	333,409	0.0%	0	100.0%	333,409
Sprinkler Connections	-	-	-	0.0%	0	100.0%	0
Services							
	265,196	-	265,196	100.0%	265,196	0.0%	0
Other							
	-	-	-	50.0%	0	50.0%	0
TOTAL	11,164,541	430,000	11,594,541	69.7%	8,080,936	30.3%	3,513,605

<p style="text-align: center;">Richmond County Water Utility Allocation of the Total Cost of Utility Plant in Service Between General Service and Fire Protection 2025/26</p>							
	Utility Plant in Service Previous Year	Additions	Utility Plant in Service	Percent	General Service	Percent	Fire Protection
Intangible Plant							
Organization and Working Capital	-		-	100.0%	0	0.0%	0
Tangible Plant	-						
LAND AND LAND RIGHTS							
Source of Supply Land	-	0	-	90.0%	0	10.0%	0
Land - General	93,060	0	93,060	90.0%	83,754	10.0%	9,306
STRUCTURES AND IMPROVEMENTS							
Source of Supply Structures	466,859	125,000	591,859	90.0%	532,673	10.0%	59,186
Power and Pumping Structures	1,882,301	0	1,882,301	90.0%	1,694,071	10.0%	188,230
Purification	-	125,000	125,000	90.0%	112,500	10.0%	12,500
Distribution Reservoirs and Standpipes	907,160	0	907,160	40.0%	362,864	60.0%	544,296
Water Treatment Plant	3,231,032	0	3,231,032	90.0%	2,907,929	10.0%	323,103
General	-	0	-	90.0%	0	10.0%	0
Other Water Source Structures	125,000	0	125,000	90.0%	112,500	10.0%	12,500
Equipment							
Electrical Pumping	128,317	25,000	153,317	90.0%	137,985	10.0%	15,332
Purification Equipment	417,478	0	417,478	90.0%	375,730	10.0%	41,748
Office Furniture and Equipment	35,264	0	35,264	90.0%	31,738	10.0%	3,526
Transportation Equipment	-	0	-	90.0%	0	10.0%	0
Tools and Work Equipment	-	0	-	90.0%	0	10.0%	0
GIS System	-	0	-	100.0%	0	0.0%	0
Distribution Mains Equipment	25,000	0	25,000	40.0%	10,000	60.0%	15,000
Meter Shop Equipment	-	0	-	90.0%	0	10.0%	0
Other Equipment	134,374	0	134,374	90.0%	120,937	10.0%	13,437
Mains							
Transmission	1,328,637	0	1,328,637	40.0%	531,455	60.0%	797,182
Distribution	1,953,915	250,000	2,203,915	40.0%	881,566	60.0%	1,322,349
Meters							
	267,539	10,500	278,039	100.0%	278,039	0.0%	0
Hydrants							
	333,409	10,500	343,909	0.0%	0	100.0%	343,909
Sprinkler Connections	-	0	-	0.0%	0	100.0%	0
Services							
	265,196	0	265,196	100.0%	265,196	0.0%	0
Other							
	-	0	-	50.0%	0	50.0%	0
TOTAL	11,594,541	546,000	12,140,541	69.5%	8,438,936	30.5%	3,701,605

<p style="text-align: center;">Richmond County Water Utility Allocation of the Total Cost of Utility Plant in Service Between General Service and Fire Protection 2026/27</p>							
	Utility Plant in Service Previous Year	Additions	Utility Plant in Service	Percent	General Service	Percent	Fire Protection
Intangible Plant							
Organization and Working Capital	-		-	100.0%	0	0.0%	0
Tangible Plant	-						
LAND AND LAND RIGHTS							
Source of Supply Land	-	0	-	90.0%	0	10.0%	0
Land - General	93,060	0	93,060	90.0%	83,754	10.0%	9,306
STRUCTURES AND IMPROVEMENTS							
Source of Supply Structures	591,859	0	591,859	90.0%	532,673	10.0%	59,186
Power and Pumping Structures	1,882,301	0	1,882,301	90.0%	1,694,071	10.0%	188,230
Purification	125,000	0	125,000	90.0%	112,500	10.0%	12,500
Distribution Reservoirs and Standpipes	907,160	0	907,160	40.0%	362,864	60.0%	544,296
Water Treatment Plant	3,231,032	0	3,231,032	90.0%	2,907,929	10.0%	323,103
General	-	0	-	90.0%	0	10.0%	0
Other Water Source Structures	125,000	0	125,000	90.0%	112,500	10.0%	12,500
Equipment							
Electrical Pumping	153,317	0	153,317	90.0%	137,985	10.0%	15,332
Purification Equipment	417,478	0	417,478	90.0%	375,730	10.0%	41,748
Office Furniture and Equipment	35,264	0	35,264	90.0%	31,738	10.0%	3,526
Transportation Equipment	-	0	-	90.0%	0	10.0%	0
Tools and Work Equipment	-	0	-	90.0%	0	10.0%	0
GIS System	-	0	-	100.0%	0	0.0%	0
Distribution Mains Equipment	25,000	0	25,000	40.0%	10,000	60.0%	15,000
Meter Shop Equipment	-	0	-	90.0%	0	10.0%	0
Other Equipment	134,374	0	134,374	90.0%	120,937	10.0%	13,437
Mains							
Transmission	1,328,637	0	1,328,637	40.0%	531,455	60.0%	797,182
Distribution	2,203,915	250,000	2,453,915	40.0%	981,566	60.0%	1,472,349
Meters	278,039	11,000	289,039	100.0%	289,039	0.0%	0
Hydrants	343,909	11,000	354,909	0.0%	0	100.0%	354,909
Sprinkler Connections	-	0	-	0.0%	0	100.0%	0
Services	265,196	0	265,196	100.0%	265,196	0.0%	0
Other	-	0	-	50.0%	0	50.0%	0
TOTAL	12,140,541	272,000	12,412,541	68.9%	8,549,936	31.1%	3,862,605

Richmond County Water Utility			
Allocation of Fire Protection Charges			
Projected Expenses for Year 2024/25			
	Estimated Expenses	PerCent Allocation to fire Protection	Fire Protection Charge
Power and Pumping	127,698	10.0%	12,770
Water Treatment	284,365	10.0%	28,437
Transmission and Distribution	176,171	47.4%	83,518
Adminstration and General	133,612	10.0%	13,361
Depreciation	114,437	47.4%	54,251
Connection Charges for New Services	0	10.0%	0
Return on Rate Base	(95,500)	47.4%	-45,274
Total	740,784	19.9%	147,063

Richmond County Water Utility			
Allocation of Fire Protection Charges			
Projected Expenses for Year 2025/26			
	Estimated Expenses	PerCent Allocation to fire Protection	Fire Protection Charge
Power and Pumping	131,529	10.0%	13,153
Water Treatment	292,896	10.0%	29,290
Transmission and Distribution	181,456	33.5%	60,832
Adminstration and General	131,842	10.0%	13,184
Depreciation	148,790	33.5%	49,881
Other	0	10.0%	0
Return on Rate Base	(57,500)	33.5%	-19,277
Total	829,014	17.7%	147,063

Richmond County Water Utility			
Allocation of Fire Protection Charges			
Projected Expenses for Year 2026/27			
	Estimated Expenses	PerCent Allocation to fire Protection	Fire Protection Charge
Power and Pumping	135,475	10.0%	13,548
Water Treatment	301,683	10.0%	30,168
Transmission and Distribution	186,900	31.1%	58,161
Adminstration and General	135,169	10.0%	13,517
Depreciation	174,426	31.1%	54,279
Other	0	10.0%	0
Return on Rate Base	(27,500)	31.1%	-8,558
Total	906,153	17.8%	161,114

Richmond County Water Utility
Calculation of rate Base and required Return on rate Base
Years Ending March 31st

	2023/24 (Estimate)	2024/25 (Estimate)	2025/26 (Estimate)	2026/27 (Estimate)
RATE BASE				
Utility plant in Service March 31st	11,164,541	11,594,541	12,140,541	12,412,541
Less Accumulated Depreciaiton on actual cost of plant in service (Estimated)	(2,667,876)	(2,553,440)	(2,404,649)	(2,230,224)
Less unamortized amount of capital contribution for plant in service	(2,171,895)	(2,335,291)	(2,538,439)	(2,614,416)
Estimated Rate Base at Year End	6,324,770	6,705,810	7,197,453	7,567,901
REQUIRED RETURN				
Non-operating Expenditures (B-2)	-	-	-	-
Less Non-operating Revenue without transfer from Deprecitaion Fund (B-2)	7,500	(75,500)	(37,500)	(7,500)
Less Other Operating Revenue (B-2)	(20,000)	(20,000)	(20,000)	(20,000)
Return on Rate Base	(12,500)	(95,500)	(57,500)	(27,500)
Required Rate of Return (Req'd Return/Est Rate Base)	-0.20%	-1.42%	-0.80%	-0.36%

Richmond County Water Utility
Calculation of Revenue Required for Each Billing/Cost Category
2024/25

	Total Revenue Required	Fire Protection Revenue	Revenue Required from Metered Rates	Charge		Commodity Charge					
				Customer	Base	Delivery	Production				
Power and Pumping	127,698	12,770	114,929							100%	114,929
Water Treatment	284,365	28,437	255,929							100%	255,929
Transmission and Distribution	176,171	83,518	92,653			90%	83,387	10%	9,265		
Administration and General	133,612	13,361	120,251	10%	12,025	90%	108,226				
Depreciation	114,437	54,251	60,185			100%	60,185	0%	0	0%	0
Other	0	0	0			100%	0				
Return on Rate Base	-95,500	-45,274	-50,226			40%	-20,090	30%	-15,068	30%	-15,068
SUBTOTAL	740,784	147,063	593,720		12,025		231,708		-5,802		355,790
TOTAL	740,784	147,063	593,720		12,025		231,708		(5,802)		355,790

Richmond County Water Utility
Calculation of Revenue Required for Each Billing/Cost Category
2025/26

	Total Revenue Required	Fire Protection Revenue	Revenue Required from Metered Rates	Charge		Commodity Charge					
				Customer	Base	Delivery	Production				
Power and Pumping	131,529	13,153	118,376							100%	118,376
Water Treatment	292,896	29,290	263,607							100%	263,607
Transmission and Distribution	181,456	60,832	120,624			65%	78,406	35%	42,218		
Administration and General	131,842	13,184	118,658	10%	11,866	90%	106,792				
Depreciation	148,790	49,881	98,909			100%	98,909	0%	0	0%	0
Other	0	0	0			100%	0				
Return on Rate Base	-57,500	-19,277	-38,223			40%	-15,289	30%	-11,467	30%	-11,467
SUBTOTAL	829,014	147,063	681,951		11,866		268,818		30,751		370,516
TOTAL	829,014	147,063	681,951		11,866		268,818		30,751		370,516

Richmond County Water Utility
Calculation of Revenue Required for Each Billing/Cost Category
2026/27

	Total Revenue Required	Fire Protection Revenue	Revenue Required from Metered Rates	Charge		Commodity Charge					
				Customer	Base	Delivery	Production				
Power and Pumping	135,475	13,548	121,928							100%	121,928
Water Treatment	301,683	30,168	271,515							100%	271,515
Transmission and Distribution	186,900	58,161	128,739			55%	70,807	45%	57,933		
Administration and General	135,169	13,517	121,652	10%	12,165	90%	109,487				
Depreciation	174,426	54,279	120,147			100%	120,147	0%	0	0%	0
Other	0	0	0			100%	0				
Return on Rate Base	-27,500	-8,558	-18,942			40%	-7,577	30%	-5,683	30%	-5,683
SUBTOTAL	906,153	161,114	745,038		12,165		292,863		52,250		387,760
TOTAL	906,153	161,114	745,038		12,165		292,863		52,250		387,760

Worksheet C-4

17-Jan-24

Richmond County Water Utility Service Connections and Equivalents 2024/25			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	0	1	0
5/8"	1119	1	1,119
3/4"	1	1.5	2
1"	12	2.5	30
1.5"	4	5	20
2"	7	8	56
3"	1	16	16
4"	0	25	0
6"	0	50	0
8"	0	90	0
TOTAL	1144		1,243

Richmond County Water Utility Service Connections and Equivalents 2025/26			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	0	1	0
5/8"	1124	1	1,124
3/4"	1	1.5	2
1"	12	2.5	30
1.5"	4	5	20
2"	7	8	56
3"	1	16	16
4"	0	25	0
6"	0	50	0
8"	0	90	0
TOTAL	1149		1,248

Richmond County Water Utility Service Connections and Equivalents 2026/27			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	0	1	0
5/8"	1129	1	1,129
3/4"	1	1.5	2
1"	12	2.5	30
1.5"	4	5	20
2"	7	8	56
3"	1	16	16
4"	0	25	0
6"	0	50	0
8"	0	90	0
TOTAL	1154		1,253

**Richmond County Water Utility
Service Connections and Equivalents
2024/25**

Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	186.49	10.51	197.00	49.25
5/8"	1	186.49	10.51	197.00	49.25
3/4"	1.5	279.73	10.51	290.24	72.56
1"	2.5	466.21	10.51	476.73	119.18
1.5"	5	932.43	10.51	942.94	235.73
2"	8	1,491.88	10.51	1,502.40	375.60
3"	16	2,983.77	10.51	2,994.28	748.57
4"	25	4,662.14	10.51	4,672.65	1,168.16
6"	50	9,324.27	10.51	9,334.78	2,333.70
8"	90	16,783.69	10.51	16,794.20	4,198.55
TOTAL					

**Richmond County Water Utility
Service Connections and Equivalents
2025/26**

Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	215.49	10.33	225.81	56.45
5/8"	1	215.49	10.33	225.81	56.45
3/4"	1.5	323.23	10.33	333.55	83.39
1"	2.5	538.71	10.33	549.04	137.26
1.5"	5	1,077.43	10.33	1,087.75	271.94
2"	8	1,723.88	10.33	1,734.21	433.55
3"	16	3,447.76	10.33	3,458.09	864.52
4"	25	5,387.13	10.33	5,397.45	1,349.36
6"	50	10,774.25	10.33	10,784.58	2,696.14
8"	90	19,393.65	10.33	19,403.98	4,850.99
TOTAL					

**Richmond County Water Utility
Service Connections and Equivalents
2026/27**

Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	233.82	10.54	244.36	61.09
5/8"	1	233.82	10.54	244.36	61.09
3/4"	1.5	350.73	10.54	361.28	90.32
1"	2.5	584.56	10.54	595.10	148.77
1.5"	5	1,169.11	10.54	1,179.66	294.91
2"	8	1,870.58	10.54	1,881.13	470.28
3"	16	3,741.17	10.54	3,751.71	937.93
4"	25	5,845.57	10.54	5,856.12	1,464.03
6"	50	11,691.15	10.54	11,701.69	2,925.42
8"	90	21,044.06	10.54	21,054.61	5,263.65
TOTAL					

Worksheet C-6

17-Jan-24

Richmond County Water Utility Water Consumption by Block		
Meter Size	Actual Current Consumption	2024/25 Estimated Consumption
	1st Block (Cubic Meters)	1st Block (Cubic Meters)
Unmetered	0	0
5/8"	141,568	140,435
3/4"	176	176
1"	6,548	6,548
1.5"	10,738	10,738
2"	33,981	33,981
3"	6,589	6,589
4"	0	0
6"	0	0
8"	0	0
TOTAL	199,600	198,467

Richmond County Water Utility Water Consumption by Block		
Meter Size	2025/26 Estimated Consumption	2026/27 Estimated Consumption
	1st Block (Cubic Meters)	1st Block (Cubic Meters)
Unmetered	0	0
5/8"	139,939	139,447
3/4"	176	176
1"	6,548	6,548
1.5"	10,738	10,738
2"	33,981	33,981
3"	6,589	6,589
4"	0	0
6"	0	0
8"	0	0
TOTAL	197,971	197,479

Worksheet C-7

17-Jan-24

Richmond County Water Utility Calculation of Consumption Charge 2024/25	
NET PRODUCTION EXPENSE	BLOCK 1
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	1.79
NET DELIVERY EXPENSES	
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	-0.03
TOTAL CONSUMPTION CHARGE PER CUBIC METER	
	1.76

Richmond County Water Utility Calculation of Consumption Charge 2025/26	
NET PRODUCTION EXPENSE	BLOCK 1
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	1.87
NET DELIVERY EXPENSES	
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.16
TOTAL CONSUMPTION CHARGE PER CUBIC METER	
	2.03

Richmond County Water Utility Calculation of Consumption Charge 2026/27	
NET PRODUCTION EXPENSE	BLOCK 1
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	1.96
NET DELIVERY EXPENSES	
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.26
TOTAL CONSUMPTION CHARGE PER CUBIC METER	
	2.23

**Richmond County Water Utility
Water Consumption by Block
2024/25**

BASE CHARGE

<u>Meter Size</u>	<u>Number</u>	<u>Base Rate</u>	<u>Dollar Revenue</u>
Unmetered	0	197.00	0
5/8"	1,119	197.00	220,440
3/4"	1	290.24	290
1"	12	476.73	5,721
1.5"	4	942.94	3,772
2"	7	1,502.40	10,517
3"	1	2,994.28	2,994
4"	0	4,672.65	0
6"	0	9,334.78	0
8"	0	16,794.20	0
TOTAL BASE REVENUE			243,733

CONSUMPTION CHARGE

	<u>Quantity</u>	<u>\$/ C.M.</u>	
1st Block	198,467	1.76	349,987
TOTAL CONSUMPTION REVENUE			349,987

TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION) 593,720

**Richmond County Water Utility
Water Consumption by Block
2025/26**

BASE CHARGE

<u>Meter Size</u>	<u>Number</u>	<u>Base Rate</u>	<u>Dollar Revenue</u>
Unmetered	0	225.81	0
5/8"	1,124	225.81	253,813
3/4"	1	333.55	334
1"	12	549.04	6,588
1.5"	4	1,087.75	4,351
2"	7	1,734.21	12,139
3"	1	3,458.09	3,458
4"	0	5,397.45	0
6"	0	10,784.58	0
8"	0	19,403.98	0
TOTAL BASE REVENUE			280,683

CONSUMPTION CHARGE

	<u>Quantity</u>	<u>\$/ C.M.</u>	
1st Block	197,971	2.03	401,267
TOTAL CONSUMPTION REVENUE			401,267

TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION) 681,951

Richmond County Water Utility				
Water Consumption by Block				
2026/27				
BASE CHARGE				
<u>Meter Size</u>	<u>Number</u>	<u>Base Rate</u>	<u>Dollar Revenue</u>	
Unmetered	0	244.36	0	
5/8"	1,129	244.36	275,888	
3/4"	1	361.28	361	
1"	12	595.10	7,141	
1.5"	4	1,179.66	4,719	
2"	7	1,881.13	13,168	
3"	1	3,751.71	3,752	
4"	0	5,856.12	0	
6"	0	11,701.69	0	
8"	0	21,054.61	0	
TOTAL BASE REVENUE			305,028	
CONSUMPTION CHARGE				
	<u>Quantity</u>	<u>\$/ C.M.</u>		
1st Block	197,479	2.23	440,010	
TOTAL CONSUMPTION REVENUE			440,010	
TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION)			745,038	

Worksheet C-9

17-Jan-24

Richmond County Water Utility			
Calculation of Bulk Water Rate			
Years Ending March 31st			
	2024/25	2025/26	2026/27
Cost Base			
Total Operating Expenses (Worksheet B-2)	836,284	886,514	933,653
Total Non Operating Expenses (Worksheet B-2)	-	-	-
Total Expenses	836,284	886,514	933,653
Water Consumption (Worksheet C-6) in cubic meters	198,467	197,971	197,479
Unit Calculations			
Unit cost per cubic meter	4.21	4.48	4.73
Operating cost and profit mark-up	30%	30%	30%
Bulk rate per cubic meter	5.48	5.82	6.15

Richmond County Water Utility
Comparison of Current Water Rates with Proposed New Rates
2024/25

Meter Size	Quarterly Consumption	Base Charge		Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Quarterly Charge	Percent Change
	1st Block	Current	Proposed		Current	Proposed		Current	Proposed	Change	
5/8"	31.4	38.31	49.25	28.6%	52.40	55.33	5.6%	90.71	104.58	13.87	15.3%
3/4"	44.0	56.64	72.56	28.1%	73.48	77.59	5.6%	130.12	150.15	20.03	15.4%
1"	136.4	93.32	119.18	27.7%	227.82	240.56	5.6%	321.14	359.75	38.61	12.0%
1.5"	671.1	185.00	235.73	27.4%	1,120.78	1,183.49	5.6%	1,305.78	1,419.23	113.45	8.7%
2"	1,213.6	295.01	375.60	27.3%	2,026.72	2,140.13	5.6%	2,321.73	2,515.73	194.00	8.4%
3"	1,647.3	588.40	748.57	27.2%	2,750.91	2,904.84	5.6%	3,339.31	3,653.41	314.10	9.4%
4"	-	918.45	1,168.16	27.2%	-	-	0.0%	-	-	-	0.0%
6"	-	1,835.26	2,333.70	27.2%	-	-	0.0%	-	-	-	0.0%

Richmond County Water Utility
Comparison of Current Water Rates with Proposed New Rates
2025/26

Meter Size	Average Quarterly Consumption	Base Charge		Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Quarterly Charge	Percent Change
	1st Block	Current	Proposed		Current	Proposed		Current	Proposed	Change	
5/8"	31.1	49.25	56.45	14.6%	55.33	63.09	14.0%	104.58	119.54	14.96	14.3%
3/4"	44.0	72.56	83.39	14.9%	77.59	89.18	14.9%	150.15	172.57	22.42	14.9%
1"	136.4	119.18	137.26	15.2%	240.56	276.50	14.9%	359.75	413.76	54.02	15.0%
1.5"	671.1	235.73	271.94	15.4%	1,183.49	1,360.30	14.9%	1,419.23	1,632.24	213.01	15.0%
2"	1,213.6	375.60	433.55	15.4%	2,140.13	2,459.85	14.9%	2,515.73	2,893.41	377.67	15.0%
3"	1,647.3	748.57	864.52	15.5%	2,904.84	3,338.80	14.9%	3,653.41	4,203.33	549.91	15.1%
4"	-	1,168.16	1,349.36	15.5%	-	-	0.0%	-	-	-	0.0%
6"	-	2,333.70	2,696.14	15.5%	-	-	0.0%	-	-	-	0.0%

Richmond County Water Utility
Comparison of Current Water Rates with Proposed New Rates
2026/27

Meter Size	Average Quarterly Consumption	Base Charge		Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Quarterly Charge	Percent Change
	1st Block	Current	Proposed		Current	Proposed		Current	Proposed	Change	
5/8"	30.9	56.45	61.09	8.2%	63.09	68.80	9.1%	119.54	129.89	10.35	8.7%
3/4"	44.0	83.39	90.32	8.3%	89.18	98.04	9.9%	172.57	188.36	15.78	9.1%
1"	136.4	137.26	148.77	8.4%	276.50	303.95	9.9%	413.76	452.73	38.97	9.4%
1.5"	671.1	271.94	294.91	8.4%	1,360.30	1,495.35	9.9%	1,632.24	1,790.27	158.03	9.7%
2"	1,213.6	433.55	470.28	8.5%	2,459.85	2,704.07	9.9%	2,893.41	3,174.36	280.95	9.7%
3"	1,647.3	864.52	937.93	8.5%	3,338.80	3,670.29	9.9%	4,203.33	4,608.21	404.89	9.6%
4"	-	1,349.36	1,464.03	8.5%	-	-	0.0%	-	-	-	0.0%
6"	-	2,696.14	2,925.42	8.5%	-	-	0.0%	-	-	-	0.0%

Richmond County Water Utility				
Comparative Statement of Operations				
Fiscal Years ending March 31st				
	2023/24 (Budget)	Projection Using Projected Rates		
		2024/25 Test Yr 1	2025/26 Test Yr 2	2026/27 Test Yr 3
OPERATING REVENUES				
Base Rate Sales	186,500	229,425	280,683	305,028
Metered Sales	335,000	346,240	401,267	440,010
Service Connections for New Services	10,000	10,000	10,000	10,000
Public Fire Protection	147,063	147,063	147,063	161,114
Sundry	10,000	10,000	10,000	10,000
Total	688,563	742,728	849,014	926,153
OPERATING EXPENDITURES				
Power and Pumping	134,416	127,698	131,529	135,475
Water Treatment	265,743	284,365	292,896	301,683
Transmission and Distribution	177,496	176,171	181,456	186,900
Administration and General	170,814	133,612	131,842	135,169
Depreciation	103,721	114,437	148,790	174,426
Other	0	0	0	0
Total	852,190	836,284	886,514	933,653
OPERATING PROFIT (LOSS)	-163,627	-93,555	-37,500	-7,500
NON-OPERATING REVENUES				
Interest and other income	7,500	7,500	7,500	7,500
Transfer from Surplus Account	0	68,000	30,000	0
Other	0	0	0	0
Total	7,500	75,500	37,500	7,500
NON-OPERATING EXPENDITURES				
New Debt - Principal	0	0	0	0
New Debt - Interest	0	0	0	0
New Debt - Principal	0	0	0	0
New Debt - Interest	0	0	0	0
New Debt - Principal	0	0	0	0
New Debt - Interest	0	0	0	0
Permit Fee	0	0	0	0
Interim Financing	0	0	0	0
Capital out of Revenue	0	0	0	0
Dividend to Owner	0	0	0	0
Other	0	0	0	0
Total	0	0	0	0
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	-156,127	-18,055	0	0
SURPLUS AT BEGINNING OF YEAR	505,059	348,932	262,877	232,877
LESS TRANSFER FROM SURPLUS	0	68,000	30,000	0
ACCUMULATED SURPLUS (DEFICIT)	348,932	262,877	232,877	232,877

Appendix 1

**Loan Calculator
Long Term Debt**

2024/25

Interest Rate	6.0%
Term in years	20
Capital \$	-

Payment Schedule

Year	Principal	Interest	Total	Balance
1	\$0.00	\$0.00	-	-
2	\$0.00	\$0.00	-	-
3	\$0.00	\$0.00	-	-
4	\$0.00	\$0.00	-	-
5	\$0.00	\$0.00	-	-
6	\$0.00	\$0.00	-	-
7	\$0.00	\$0.00	-	-
8	\$0.00	\$0.00	-	-
9	\$0.00	\$0.00	-	-
10	\$0.00	\$0.00	-	-
11	\$0.00	\$0.00	-	-
12	\$0.00	\$0.00	-	-
13	\$0.00	\$0.00	-	-
14	\$0.00	\$0.00	-	-
15	\$0.00	\$0.00	-	-
16	\$0.00	\$0.00	-	-
17	\$0.00	\$0.00	-	-
18	\$0.00	\$0.00	-	-
19	\$0.00	\$0.00	-	-
20	\$0.00	\$0.00	-	-

**Loan Calculator
Long Term Debt**

2025/26

Interest Rate	6.0%
Term in years	20
Capital \$	-

Payment Schedule

Year	Principal	Interest	Total	Balance
1	\$0.00	\$0.00	-	-
2	\$0.00	\$0.00	-	-
3	\$0.00	\$0.00	-	-
4	\$0.00	\$0.00	-	-
5	\$0.00	\$0.00	-	-
6	\$0.00	\$0.00	-	-
7	\$0.00	\$0.00	-	-
8	\$0.00	\$0.00	-	-
9	\$0.00	\$0.00	-	-
10	\$0.00	\$0.00	-	-
11	\$0.00	\$0.00	-	-
12	\$0.00	\$0.00	-	-
13	\$0.00	\$0.00	-	-
14	\$0.00	\$0.00	-	-
15	\$0.00	\$0.00	-	-
16	\$0.00	\$0.00	-	-
17	\$0.00	\$0.00	-	-
18	\$0.00	\$0.00	-	-
19	\$0.00	\$0.00	-	-
20	\$0.00	\$0.00	-	-

Loan Calculator
Long Term Debt
 2026/27

Interest Rate	6.0%
Term in years	20
Capital \$	-

Payment Schedule

Year	Principal	Interest	Total	Balance
1	\$0.00	\$0.00	-	-
2	\$0.00	\$0.00	-	-
3	\$0.00	\$0.00	-	-
4	\$0.00	\$0.00	-	-
5	\$0.00	\$0.00	-	-
6	\$0.00	\$0.00	-	-
7	\$0.00	\$0.00	-	-
8	\$0.00	\$0.00	-	-
9	\$0.00	\$0.00	-	-
10	\$0.00	\$0.00	-	-
11	\$0.00	\$0.00	-	-
12	\$0.00	\$0.00	-	-
13	\$0.00	\$0.00	-	-
14	\$0.00	\$0.00	-	-
15	\$0.00	\$0.00	-	-
16	\$0.00	\$0.00	-	-
17	\$0.00	\$0.00	-	-
18	\$0.00	\$0.00	-	-
19	\$0.00	\$0.00	-	-
20	\$0.00	\$0.00	-	-

**SCHEDULES A, B, AND C
RATES AND CHARGES**

SCHEDULE "A"
MUNICIPALITY OF THE COUNTY OF RICHMOND
WATER UTILITY
SCHEDULE OF RATES FOR WATER AND WATER SERVICES

(Effective for water supplied on and after 1 July 2024)

RATES

The rates set out below are the rates approved by the Board for water and water services when payment is made within 30 days from the date rendered as shown on the bill.

When payment is made after 30 days from the date rendered as shown on the bill, the rates will include interest charges of 1.5 % per month, or part thereof.

Each bill shall show the amount payable within 30 days from the date rendered as shown on the bill.

In this Schedule, the word "Utility" means the Municipality of the County of Richmond Water Utility.

1. RATES:

<u>(a) Base Charges</u>		<u>Quarterly</u>
Size of Meter		
5/8"		49.25
3/4"		72.56
1"		119.18
1.5"		235.73
2"		375.60
3"		748.57
4"		1,168.16
6"		2,333.70

(b) Consumption Rate \$ 1.76 per cubic metre

(c) Minimum Bill

The minimum bill shall be the Base Charge.

2. PUBLIC FIRE PROTECTION RATE

The Municipality of the County of Richmond shall pay to the Water Utility for fire protection services on or before September 30, 2024, the sum of \$147,062.

3. RATES FOR SPRINKLER SERVICE

Each building having a sprinkler system installed shall pay annually for the service as follows:

Each building serviced by a sprinkler service pipe of 6" or less in diameter	\$200.00
------------------------------------------------------------------------------	----------

Each building serviced by a sprinkler service pipe of 8" or more in diameter	\$250.00
------------------------------------------------------------------------------	----------

4. WATER FOR BUILDINGS OR WORKS UNDER CONSTRUCTION

The Utility may furnish water to any person requiring a supply thereof for the construction of a building or other works. This person shall deposit with the Utility such sum as may be determined by the Utility as is sufficient to defray the cost of making the necessary connection to any water service or main together with the cost of the meter to be installed to measure the water consumed. Upon completion of the work and the return of the meter to the Utility, a refund will be made after deducting the cost, if any, of repairing the meter and of testing the same and payment of the base and connection charges and the consumption rates in respect to such installation.

5. PRIVATE HYDRANT RATES

Per hydrant per year \$200.00.

6. RATES FOR WATER SUPPLIED FROM FIRE HYDRANTS

Whenever the use of any fire hydrant is desired for supplying water for any purpose, excepting those of the Fire Department for fire use, the Utility may grant a permit containing such terms and conditions as it may provide, including arrangements regarding supervision of the opening and closing of the hydrant, and a service charge for commercial consumers of \$100.00 for connection and disconnection and a consumption charge for the amount of water used, as estimated by the water utility, at meter consumption rates.

7. CHARGES FOR RE-ESTABLISHING WATER SERVICE

When water service has been suspended for any violation of the Rules and Regulations of the Utility, such water service shall not be re-established until a reconnection charge of \$50.00 has been paid to the Utility. If reconnection is outside of regular working hours, the charge is \$150.00.

8. NEW ACCOUNT CREATION FEE

The Utility shall charge a \$50.00 fee for the creation of a water account, notwithstanding the fact that no physical disconnection of the system may have occurred. The fee shall be \$100.00 when a meter is installed or water is turned on. The fee shall be \$150.00 if this occurs after the normal hours of the Utility.

9. CONNECTION FEE

The Utility shall charge a \$50.00 fee for whenever a customer, for any reason, requests water be turned on at any premises. This fee shall be \$150.00 if water is turned on after regular working hours of the Utility.

10. DISCONNECTION FEE

Whenever a customer, for any reason, requests that the water be turned off from any premises, a charge of \$50.00 shall be made for turning off the water, and no additional charge shall be made for turning it on again when this is requested unless such request is after regular working hours of the Utility when a fee of \$150.00 shall apply. The Utility reserves the right to waive the applicable fees in case of an emergency.

11. CHARGE FOR NON-NEGOTIABLE CHEQUES

The Utility may charge a \$25.00 administration fee plus any related bank charges for cheques that, due to non-negotiability, have been rejected by the Utility's bank.

12. CHARGE FOR MISSED APPOINTMENT BY CUSTOMERS

Where an appointment has been made by a customer to have a water service hooked up or a meter inspected, or water turned on to a property, or other visits to the property for the inception or maintenance of water service to the property, and the customer fails to keep the appointment or the plumbing is not completed to allow for installation of a water meter and the Utility's staff have to return to the property, there may be a charge of \$50.00 for each visit if, in the judgment of the Utility, it is required.

13. BULK WATER

Bulk water will be provided to licensed water haulers who have been approved by the Utility at the designated location at a cost of \$5.48 per cubic meter or part thereof with a minimum charge of \$ 40.00 except for water obtained from an automated bulk water filling station where minimum charges will not apply. Such charge shall be rendered for each loading.

SCHEDULE "B"
MUNICIPALITY OF THE COUNTY OF RICHMOND
WATER UTILITY
SCHEDULE OF RATES FOR WATER AND WATER SERVICES

(Effective for water supplied on and after 1 April, 2025)

RATES

The rates set out below are the rates approved by the Board for water and water services when payment is made within 30 days from the date rendered as shown on the bill.

When payment is made after 30 days from the date rendered as shown on the bill, the rates will include interest charges of 1.5 % per month, or part thereof.

Each bill shall show the amount payable within 30 days from the date rendered as shown on the bill.

In this Schedule, the word "Utility" means the Municipality of the County of Richmond Water Utility.

1. RATES:

<u>(a) Base Charges</u>		<u>Quarterly</u>
Size of Meter		
5/8"		56.45
3/4"		83.39
1"		137.26
1.5"		271.94
2"		433.55
3"		864.52
4"		1,349.36
6"		2,696.14

(b) Consumption Rate \$ 2.03 per cubic metre

(c) Minimum Bill

The minimum bill shall be the Base Charge.

2. PUBLIC FIRE PROTECTION RATE

The Municipality of the County of Richmond shall pay to the Water Utility for fire protection services on or before September 30, 2025, the sum of \$147,063.

3. RATES FOR SPRINKLER SERVICE

Each building having a sprinkler system installed shall pay annually for the service as follows:

Each building serviced by a sprinkler service pipe of 6" or less in diameter	\$200.00
---------------------------------------------------------------------------------	----------

Each building serviced by a sprinkler service pipe of 8" or more in diameter	\$250.00
---------------------------------------------------------------------------------	----------

4. WATER FOR BUILDINGS OR WORKS UNDER CONSTRUCTION

The Utility may furnish water to any person requiring a supply thereof for the construction of a building or other works. This person shall deposit with the Utility such sum as may be determined by the Utility as is sufficient to defray the cost of making the necessary connection to any water service or main together with the cost of the meter to be installed to measure the water consumed. Upon completion of the work and the return of the meter to the Utility, a refund will be made after deducting the cost, if any, of repairing the meter and of testing the same and payment of the base and connection charges and the consumption rates in respect to such installation.

5. PRIVATE HYDRANT RATES

Per hydrant per year \$200.00.

6. RATES FOR WATER SUPPLIED FROM FIRE HYDRANTS

Whenever the use of any fire hydrant is desired for supplying water for any purpose, excepting those of the Fire Department for fire use, the Utility may grant a permit containing such terms and conditions as it may provide, including arrangements regarding supervision of the opening and closing of the hydrant, and a service charge for commercial consumers of \$100.00 for connection and disconnection and a consumption charge for the amount of water used, as estimated by the water utility, at meter consumption rates.

7. CHARGES FOR RE-ESTABLISHING WATER SERVICE

When water service has been suspended for any violation of the Rules and Regulations of the Utility, such water service shall not be re-established until a reconnection charge of \$50.00 has been paid to the Utility. If reconnection is outside of regular working hours, the charge is \$150.00.

8. NEW ACCOUNT CREATION FEE

The Utility shall charge a \$50.00 fee for the creation of a water account, notwithstanding the fact that no physical disconnection of the system may have occurred. The fee shall be \$100.00 when a meter is installed or water is turned on. The fee shall be \$150.00 if this occurs after the normal hours of the Utility.

9. CONNECTION FEE

The Utility shall charge a \$50.00 fee for whenever a customer, for any reason, requests water be turned on at any premises. This fee shall be \$150.00 if water is turned on after regular working hours of the Utility.

10. DISCONNECTION FEE

Whenever a customer, for any reason, requests that the water be turned off from any premises, a charge of \$50.00 shall be made for turning off the water, and no additional charge shall be made for turning it on again when this is requested unless such request is after regular working hours of the Utility when a fee of \$150.00 shall apply. The Utility reserves the right to waive the applicable fees in case of an emergency.

11. CHARGE FOR NON-NEGOTIABLE CHEQUES

The Utility may charge a \$25.00 administration fee plus any related bank charges for cheques that, due to non-negotiability, have been rejected by the Utility's bank.

12. CHARGE FOR MISSED APPOINTMENT BY CUSTOMERS

Where an appointment has been made by a customer to have a water service hooked up or a meter inspected, or water turned on to a property, or other visits to the property for the inception or maintenance of water service to the property, and the customer fails to keep the appointment or the plumbing is not completed to allow for installation of a water meter and the Utility's staff have to return to the property, there may be a charge of \$50.00 for each visit if, in the judgment of the Utility, it is required.

13. BULK WATER

Bulk water will be provided to licensed water haulers who have been approved by the Utility at the designated location at a cost of \$5.82 per cubic meter or part thereof with a minimum charge of \$40.00 except for water obtained from an automated bulk water filling station where minimum charges will not apply. Such charge shall be rendered for each loading.

SCHEDULE "C"
MUNICIPALITY OF THE COUNTY OF RICHMOND
WATER UTILITY
SCHEDULE OF RATES FOR WATER AND WATER SERVICES

(Effective for water supplied on and after 1 April, 2026)

RATES

The rates set out below are the rates approved by the Board for water and water services when payment is made within 30 days from the date rendered as shown on the bill.

When payment is made after 30 days from the date rendered as shown on the bill, the rates will include interest charges of 1.5 % per month, or part thereof.

Each bill shall show the amount payable within 30 days from the date rendered as shown on the bill.

In this Schedule, the word "Utility" means the Municipality of the County of Richmond Water Utility.

1. RATES:

(a) <u>Base Charges</u>		<u>Quarterly</u>
	Size of Meter	
	5/8"	61.09
	3/4"	90.32
	1"	148.77
	1.5"	294.91
	2"	470.28
	3"	937.93
	4"	1,464.03
	6"	2,925.42

(b) Consumption Rate \$ 2.23 per cubic metre

(c) Minimum Bill

The minimum bill shall be the Base Charge.

2. PUBLIC FIRE PROTECTION RATE

The Municipality of the County of Richmond shall pay to the Water Utility for fire protection services on or before September 30, 2026, the sum of \$161,114.

For subsequent years, the annual public fire protection rate shall be based on the above or:

- (a) (a) the sum of 31.1% of Transmission and Distribution, Taxes and Depreciation expenses of the Utility, and 31.1% of the sum of the (Non-Operating Expenditures less the Non-Operating Revenue less Other Operating Revenue of the immediately preceding year), plus
- (b) 10 % of all other expenses,

whichever is the greater.

3. RATES FOR SPRINKLER SERVICE

Each building having a sprinkler system installed shall pay annually for the service as follows:

Each building serviced by a sprinkler service pipe of 6" or less in diameter	\$200.00
Each building serviced by a sprinkler service pipe of 8" or more in diameter	\$250.00

4. WATER FOR BUILDINGS OR WORKS UNDER CONSTRUCTION

The Utility may furnish water to any person requiring a supply thereof for the construction of a building or other works. This person shall deposit with the Utility such sum as may be determined by the Utility as is sufficient to defray the cost of making the necessary connection to any water service or main together with the cost of the meter to be installed to measure the water consumed. Upon completion of the work and the return of the meter to the Utility, a refund will be made after deducting the cost, if any, of repairing the meter and of testing the same and payment of the base and connection charges and the consumption rates in respect to such installation.

5. PRIVATE HYDRANT RATES

Per hydrant per year \$200.00.

6. RATES FOR WATER SUPPLIED FROM FIRE HYDRANTS

Whenever the use of any fire hydrant is desired for supplying water for any purpose, excepting those of the Fire Department for fire use, the Utility may grant a permit containing such terms and conditions as it may provide, including arrangements regarding supervision of the opening and closing of the hydrant, and a service charge for commercial consumers of \$100.00 for connection and disconnection and a consumption charge for the amount of water used, as estimated by the water utility, at meter consumption rates.

7. CHARGES FOR RE-ESTABLISHING WATER SERVICE

When water service has been suspended for any violation of the Rules and Regulations of the Utility, such water service shall not be re-established until a reconnection charge of \$50.00 has been paid to the Utility. If reconnection is outside of regular working hours, the charge is \$150.00.

8. NEW ACCOUNT CREATION FEE

The Utility shall charge a \$50.00 fee for the creation of a water account, notwithstanding the fact that no physical disconnection of the system may have occurred. The fee shall be \$100.00 when a meter is installed or water is turned on. The fee shall be \$150.00 if this occurs after the normal hours of the Utility.

9. CONNECTION FEE

The Utility shall charge a \$50.00 fee for whenever a customer, for any reason, requests water be turned on at any premises. This fee shall be \$150.00 if water is turned on after regular working hours of the Utility.

10. DISCONNECTION FEE

Whenever a customer, for any reason, requests that the water be turned off from any premises, a charge of \$50.00 shall be made for turning off the water, and no additional charge shall be made for turning it on again when this is requested unless such request is after regular working hours of the Utility when a fee of \$150.00 shall apply. The Utility reserves the right to waive the applicable fees in case of an emergency.

11. CHARGE FOR NON-NEGOTIABLE CHEQUES

The Utility may charge a \$25.00 administration fee plus any related bank charges for cheques that, due to non-negotiability, have been rejected by the Utility's bank.

12. CHARGE FOR MISSED APPOINTMENT BY CUSTOMERS

Where an appointment has been made by a customer to have a water service hooked up or a meter inspected, or water turned on to a property, or other visits to the property for the inception or maintenance of water service to the property, and the customer fails to keep the appointment or the plumbing is not completed to allow for installation of a water meter and the Utility's staff have to return to the property, there may be a charge of \$50.00 for each visit if, in the judgment of the Utility, it is required.

13. BULK WATER

Bulk water will be provided to licensed water haulers who have been approved by the Utility at the designated location at a cost of \$6.15 per cubic meter or part thereof with a minimum charge of \$ 40.00 except for water obtained from an automated bulk water filling station where minimum charges will not apply. Such charge shall be rendered for each loading.

SCHEDULE D
RULES AND REGULATIONS

MUNICIPALITY OF THE COUNTY OF RICHMOND
WATER UTILITY

SCHEDULE OF RULES AND REGULATIONS
GOVERNING THE SUPPLY OF WATER AND WATER SERVICES
(Effective 1 July 2024)

1. In these Rules and regulations, unless the context otherwise requires, the expression:

“Municipality” means the Municipality of the County of Richmond

“Utility” means the Water Utility of the Municipality of the County of Richmond

“Customer” means a person, firm or corporation who, or which, contracts to be supplied with water at a specific location or locations.

“Domestic Service” means the type of service supplied to the owner or the owner’s authorized agent or to the occupant or tenant of any space or area occupied for the distinct purpose of a dwelling house, rooming house, apartment, flat, etc.

“Metered Rate Service” means that type of service charged for at metered rates and is supplied to customers other than those supplied by fixture and flat rate service. Metered rate service is required for all new services

2. **LIABILITY FOR PAYMENT OF WATER BILL:** An agreement/contract is deemed to exist between a customer and the Utility for the supply of water service at such rates and in accordance with these Regulations by virtue of:

a) the customer applying for and receiving approval for water service;

b) the customer consuming or paying for water service from the date that the customer who is a party to an agreement pursuant to clause (a) (the customer of record) moves out of the premises, in which case the customer of record shall remain jointly and severally liable for the water service account up to the date the Utility is notified that the customer of record wishes to terminate the supply of water service.

At the discretion of the Utility, a property owner who rents or leases a property or self-contained unit to a tenant or lessee may be required to open an account for the provision of water at the property rented or leased.

c) Any person, business or corporation that receives water service without the consent of the Utility, shall be liable for the cost of such water service which cost shall be determined in the sole discretion of the Utility based upon its reasonable estimate of the

amount of water utilized.

3. **DEPOSITS:** When required, an applicant for service shall deposit with the Utility a sum equal to the estimated charges for such service for a period of six months. The estimated charges will be based on the minimum bill for metered customers. This deposit shall be held by the Utility as collateral security for the payment of the customer's bills, but is not to be considered as a payment on account thereof. When the customer ceases to use the service and discharges all of the customer's liability to the utility in respect of such service, the deposit shall be returned to the customer with interest at the rate of 2% per annum, not compounded.
4. **REFUSAL OF SERVICE:** Service may be refused or suspended to any customer who has failed to discharge all of the customer's liabilities to the Utility.
5. **BILLING:** If a agreement/contract is entered into or terminated at any time other than a regular billing date, the amount to be charged to the customer shall be the pro rata proportion to the next billing date, of the regular service charge for the billing period, plus the consumption charge, if any.

The Utility charges the base rate for the entire year for seasonal customers. The quarterly base rate charge will apply for each quarter regardless of water turn-offs.

6. **PAYMENT OF BILLS:** Bills shall be rendered to each customer at intervals of approximately three months and are due and payable when rendered. Bills not paid within 30 days of the date rendered, shall incur an interest charge at the prescribed monthly rate for each month or part thereof.
7. **ADJUSTMENT OF BILLS:**
 - (a) Where meters exist - If the seal of a meter is broken or if a meter does not register correctly, the bill for that water service shall be estimated in accordance with the best data available. Any customer desiring to question a water bill must do so in writing within 30 days of the bill being rendered.
 - (b) Customers Under billed - Should it be necessary for the Utility to make a billing adjustment as a result of a customer being under billed for any reason, such adjustment shall be retroactive for a maximum of four billing periods or one year, whichever is the longest. Notwithstanding the above, in the event that a billing adjustment is the result of the customer's illegal connection to the water system or willful interference or damage of metering equipment (where they exist), the billing adjustment in such circumstances will not be limited to one year or four billing periods, but rather the customer shall be responsible for all payments of such accounts from the date such illegal connection or interference to meter equipment took place.
 - (c) Customer Over billed - Notwithstanding (a) above, should it become necessary for

the Utility to make a billing adjustment as a result of a customer being over billed for any reason, such adjustment will be estimated by the Utility, and the Utility will be responsible for payment of the over billed amount with interest calculated on the basis of current simple interest paid by the bank respecting the period during which the customer was incorrectly billed by the Utility, such period not to exceed five years.

8. **ESTIMATED READINGS FOR BILLING PURPOSES - METERED CUSTOMERS:** If the Utility is unable to obtain a meter reading for billing purposes, after exercising due diligence in the usual practice of meter reading, the bill for that service shall be estimated in accordance with the best data available, subject, however, to the provision that in no circumstance will an estimated reading be used for more than two (2) consecutive billing periods. If an estimated bill is rendered for two (2) consecutive billing periods, the Utility shall notify the customer by regular mail that arrangements must be made for the Utility to obtain a reading and failing such arrangements, the Utility may suspend service until such arrangements are made. When such meter reading has been obtained the previous estimated bill or bills shall be adjusted accordingly.
9. **SUSPENSION OF SERVICE FOR NON PAYMENT BILLS:** The Utility shall have the right to enter onto customers' premises within reasonable hours to suspend service to customers whose bills remain unpaid for more than forty calendar days after the date rendered.
10. **WATER TO BE SUPPLIED BY METER:** Except where water is used for construction purposes from a hydrant under the supervision of the Utility and except as in these regulations otherwise provided, all services other than those used exclusively for fire protection shall be metered. Any building occupied by more than one tenant may have a separate meter with appropriate isolation valves for each tenant. With the Utility's approval, such a building may be serviced by one meter, provided the landlord is the customer. Utility shall determine the size and type of meter to be installed in each case. All meters shall be the property of the Utility.
11. **INSTALLATION AND REMOVAL OF METERS:** Meters shall be installed and removed only by employees or duly authorized representatives of the Utility and no other person shall install, alter, change or remove a meter without the written permission of the Utility. The plumbing and connections shall be properly prepared to receive the installation of such meters to the approval of and without expense to the Utility.
12. **METER READERS:** Each meter reader shall be provided with an official identification, which he/she shall exhibit on request.
13. **ACCESS TO CUSTOMER'S PREMISES:** Representatives of the Utility shall have right of access to all parts of a customer's property or premises at all reasonable hours for the purpose of inspecting any water pipes or fittings, or backflow prevention devices, or appliances, or discontinuing service, or for the purpose of installing, removing, repairing, reading or inspecting meters. The Utility shall have the right to suspend service to any

customer who refuses such access.

14. **LOCATION OF METERS:** The Utility shall have the right to refuse service to, or suspend the service of, any customer who does not provide a place which, in the opinion of the Utility, is suitable for the meter. It should be in the building served, at or near the point of entry of the service pipe, in a place where it can be easily read and where it will not be exposed to freezing temperatures.

Where the premises of a customer are of such a nature that a meter cannot be properly installed in a building or if the building is not sufficiently frost-proof as to guarantee the safety of the meter, the Utility may order the construction of a suitable frost-proof box in which the meter can be installed. Service to such premises may be refused or suspended until such a frost-proof box approved by the Utility is installed.

15. **DAMAGE TO WATER METERS:** Each customer shall be responsible for the meter installed on the customer's service and shall protect it. He shall be liable for any damage to the meter resulting from carelessness, hot water or steam, or the action of frost or from any other cause not the fault of the Utility or its employees. The cost to the Utility occasioned by such damage to the meter shall be paid by the customer. If after the rendering of a bill by the Utility to the customer for such cost the same is not paid within 40 days from the date rendered, the supply of water to the customer concerned may be suspended until all charges are paid.

16. **METER TESTING.** On the request to have their meter tested, the Utility may charge the sum of \$100.00 to defray, in part, the cost of making the test for meters up to 1 ½ inch in size. In the case of meters 1-1/2 inches and larger, the actual cost of the test will be paid by the customer. If the test shows that the meter is over registering by more than one and one half percent (1 ½%) for positive displacement meters and three percent (3%) for turbine or compound meters, the sum so deposited will be refunded to the customer.

17. **PLUMBING TO BE SATISFACTORY:** All plumbing, pipes and fittings, fixtures, and other devices for conveying, distributing, controlling, or utilizing water which are used by a customer and are not the property of the Utility, shall be installed in the manner provided by the Regulations of and be approved by the proper official of the Municipality and/or the operators of the Utility. The water shall not be turned on (except for construction or testing purposes) until the applicant for service has satisfied the Utility that these requirements have been met. The supply of water may be discontinued to any customer at any time if, in the opinion of the proper official of the Municipality and/or the operator of the Utility, the plumbing, pipes, fittings, fixtures, or other devices as hereinbefore mentioned, or any of them, fail to comply with the above requirements, or if any part of the water system of such customer or the meter is in any unsuitable, dirty, unsanitary or inaccessible place. Service shall not be re-established until such condition is corrected to the satisfaction of the Utility.

18. **REMOTE REGISTERING WATER METERS:** When a remote registering water meter is installed on a customer's premises under a general outside register installation program of the Utility, then the cost of the meter and its installation shall be paid by the Utility. The

meter shall become the property of the Utility which shall become responsible for its operation, maintenance and replacement. Any damage to the meter caused by the negligence or wrongful acts or omissions by the customer, the customer's agents or members of the customer's family, shall be paid for by the customer, and the failure by the customer to make the payment shall entitle the Utility, after making a forty day written demand for the payment, to disconnect the water service to the customer.

19. CROSS CONNECTION CONTROL & BACKFLOW PREVENTION:

(a) No owner, consumer, customer or other person hereinafter collectively referred to in this rule and regulation as "person" shall connect, cause to be connected, or allow to remain connected to the water system, or plumbing installation, without the express written consent of the Utility, any piping fixtures, fittings container or appliance in a manner which, under any circumstances, may allow water, wastewater, or any other liquid, chemical or substance, to ingress or egress the water system.

(b) Where, in the opinion of the Utility, there may be a risk of contamination to the potable water system, notwithstanding the provisions of subparagraph (a), the Utility may require the customer, at the customers sole cost and expense, to install at any point on the customers water service connection or water service pipe, one or more backflow prevention (BFP) devices, which devices shall be of a quality and type approved by the Utility.

(c) All BFP devices shall be maintained in good working order. Such devices must be inspected and tested by a certified tester, approved by the Utility, at the expense of the customer. Such inspections shall take place upon installation, and thereafter annually, or more often if required by the Utility. The customer shall submit a report in a form approved by the Utility on any or all tests performed on a BFP device within 30 days of a test. A record card shall be displayed on or adjacent to the BFP device on which the tester shall record the name and address of the owner of the device; the location, type, manufacturer, serial number and size of the device; and the test date, the tester's initials, the tester's name, the name of the tester's employer, and the tester's license number.

(d) In the event of a backflow incident, the customer shall notify the Utility immediately.

(e) Installation, maintenance, field-testing and selection of all BFP devices shall fully conform to the latest revision of the National Plumbing Code of Canada, CSA B64.10 and CSA B64 series.

(f) In the event of any breach, contravention or non-compliance by a person of any of the provision and regulations in a sub-paragraphs (a),(b),(c) or (d) the Utility may:

(i) suspend water service to such person, or

(ii) give notice to the person to correct the breach, contravention or non-compliance within 96 hours, or a specified lesser period. If the person fails to comply with such notice, the Utility may immediately thereafter suspend water service to such

person.

20. **ALTERNATE WATER SUPPLY PROHIBITED:** Connection of any customer's water system, which is served by the Utility, to any other source of water supply is prohibited. Failure to comply with this regulation shall entitle the Utility to suspend the service.
21. **DANGEROUS CONNECTIONS:** No connection shall be permitted to any installation; equipment or source in such a manner as may allow any contamination to pass from such installation, equipment or source into the Utility's water supply system. If any such connection exists the Utility may discontinue the supply of water to such customer.
22. **PROHIBITED DEVICES:** Service may be refused or suspended by the Utility to any customer who installs or uses any device or appurtenance, as, for example, booster pumps, quick-opening or quick-closing valves, flushometers, water operated pumps or siphons, standpipes, or large outlets for supplying locomotives or ships, etc., which may occasion sudden large demands of short or long duration, thereby requiring oversize meters and pipe lines, or affect the stability or regulation of water pressure in the Utility's system. Permission to install or use any such device or appurtenance must be obtained from the Utility, which permission shall specify what special arrangements, such as elevated storage tanks, surge tanks or equalizing tanks, etc., must be provided by the customer.
23. **IMPROPER USE OR WASTE OF WATER:** No customer shall permit the improper use or waste of water, such as providing water to more than one single family dwelling and /or apartment building from a single service, nor shall he sell or give water to any person except upon such conditions and for such purposes as may be approved in writing by the Utility.
24. **SERVICE PIPES:** Upon receipt of an application for service to any premises located on any portion of a street through which portion a main water pipe is laid and which premises are not already provided with water service, the Utility shall install a service pipe which it considers to be of suitable size and capacity from the water main to the street line. No pipe smaller than 3/4" in diameter shall be laid for any service.

The Utility shall supply and install the 3/4" service pipe and fittings between the main pipe and the street line. The necessary excavation for the installation of the service pipe, backfilling and replacement of the street and sidewalk surfaces from the water main in the street to the street-line shall be carried out by the Utility or its contractor for a fixed fee of \$2,000. This fixed fee is considered a connection fee to the water system. The applicant shall be responsible for the excavation and the supply and installation of the service pipe including restoration from the street-line to the premise and all such work shall be carried out without cost to the Utility.

For services larger than 3/4" the whole cost shall be borne by the customer, less the cost of a 3/4 " service from the main to the street line.

Should any person make application for more than one service to the applicant's premises, the decision as to the necessity of the additional service shall be made by the Utility, and if the additional service is installed, the total cost thereof from the main to the customer's premises shall be paid by such applicant.

All services must be installed in accordance with the Rules and Regulations of the Municipality and to the satisfaction of the Utility.

When a service has been installed without objection from the customer as to the location of the same, no subsequent removal of or alteration to the position of the pipe shall be made except at the expense of the customer requesting such removal or alteration.

25. **REPAIRS TO SERVICES:** If a leak or other trouble occurs it shall be repaired as soon as possible. If the leak or trouble occurs in a service line providing non-fire protection water supplies between the main and the property line it shall be repaired by the Utility at its expense. If the leak or trouble occurs elsewhere in a service line providing non-fire protection water supplies, it shall be repaired by the customer at his/her expense.

If the leak or trouble occurs in a service line which provides private fire protection services (sprinkler or hydrant) it shall be repaired by the customer at his/her expense.

The Utility may make such repairs for any customer provided the customer agrees to pay the cost of same. When required, each customer desiring the Utility to do such work shall deposit with the Utility a sum equal to the estimated cost of the work.

If a leak occurs on the customer's portion of his/her service pipe and, after being notified of same, he refuses or unduly delays to have repairs made, the Utility may discontinue the supply of water to such service pipe if, in its opinion, such action is necessary in order to prevent wastage of water. The Utility shall notify the customer affected of its intention to discontinue such supply.

26. **UNAUTHORIZED EXTENSIONS, ADDITIONS OR CONNECTIONS:** No person shall, without the written consent of the Utility, make or cause to be made any connections to any pipe or main or any part of the water system or in any way obtain or use water therefrom in any manner other than as set out in these Regulations.

27. **SEASON FOR LAYING PIPES:** The Utility shall not be required to lay any pipe at any season of the year or at any time which, in its opinion, is not suitable.

28. **PRIVATE FIRE PROTECTION:** Fire protection lines within buildings shall be installed so that all pipes will be open and readily accessible for inspection at any time, and no connection for any purpose other than fire protection shall be made thereto. Unless approved by the Utility in writing, no fire protection line shall be connected in any way to a metered service.

29. **LIABILITY OF UTILITY:** The Utility shall not be deemed to guarantee an uninterrupted

supply or a sufficient or uniform pressure and shall not be liable for any damage or injury caused or done by reason of the interruption of supply, variation of pressure or on account of the turning off or turning on of the water for any purpose.

30. **INTERFERENCE WITH UTILITY PROPERTY:** No person, unless authorized by the Utility in writing, shall draw water from, open, close, cut, break, or in any way injure or interfere with any fire hydrant, water main, water pipe, or any property of the Utility or obstruct the free access to any hydrant, stop cock, meter, building, etc., provided, however, that nothing in this paragraph contained shall be deemed to prevent an officer or member of the Fire Department engaged in the work of such Department, from using any hydrant or other source of water supply of the Utility for such purpose.
31. **SUSPENDING SERVICE FOR VIOLATION:** Whenever, in the opinion of the Utility, violation of any of these Rules and Regulations is existing or has occurred, the Utility may cause the water service to be suspended from the premises where such violation has occurred or is existing and may keep the same so suspended until satisfied that the cause for such action has been removed.
32. **RESUMPTION OF SERVICE:** In all cases where water service has been suspended for violation of any of these rules, service shall not be restored until the cause for violation has been removed.
33. **SPRINKLER SERVICE MAINS AND HYDRANT SYSTEM:** The customer shall be responsible for the cost of installing and maintaining a sprinkler service pipe from the main in the street to the building. It shall include a proper size control valve so that the service may be shut off if necessary. If requested by the applicant, a domestic service pipe may be connected to the sprinkler service pipe, but only if it is connected outside the building foundation wall and is provided with an approved shutoff valve located outside the building to permit control of the domestic service pipe without the necessity to enter the building. Before any domestic service pipe is connected to a sprinkler service pipe, the applicant must obtain approval from the appropriate authority and provide the Utility with a certified copy of such approval. The utility shall supervise the installation of same. When the private fire protection system includes private hydrants, these hydrants must be flushed during the Utility's regular flushing periods, under the supervision of the Utility's personnel. These hydrants shall be maintained in a manner, or on a regular basis as approved by the Utility. Fire protection lines within buildings shall be so installed that all pipes will be open and readily accessible for inspection at any time and no connection other than for fire protection shall be made thereto.

The location and spacing of hydrants in new construction shall be installed in accordance with the Municipality of the County of Richmond's Subdivision Regulations. All hydrants in the water system, including those on transmission mains, are available for fire protection.

34. **PRESSURE REDUCING VALVES:** Where, in the opinion of the Utility, it is necessary for proper water service, a customer shall install on the service pipe, between the meter and the shut off valve on the supply side of the meter, a pressure reducing valve of a type

satisfactory to the Utility. The customer shall be responsible for the cost of installing and maintaining the pressure reducing valve at all time.

35. **PRESSURE RELIEF VALVES**: Whenever a pressure reducing valve has been installed by a customer in accordance with Regulation 34, the customer shall, for his/her own safety and protection, install on his/her hot water boiler and any other hot water heating device connected to the building's plumbing system, a pressure relief valve of an approved type, as well as an approved temperature limiting device. It shall be the customer's responsibility to maintain and keep in service the pressure relief valve at all times.
36. **DEPOSITS IN ADVANCE**: When a customer requests the Utility to do work for which they are required to pay and the Utility agrees to do the work, the Utility may require, before the work is started, a sum of money equal to the Utility's estimate of the probable cost of said work. When the actual cost is determined an adjustment in the payment shall be made. Regular service shall not be established by the Utility until all charges are paid in full.
37. **RESELLING OF WATER**: It is prohibited for a customer of the Utility to resell water to others, without the express written consent of the Utility. In the event that a customer is reselling water to others, without prior approval by the Utility, the Utility may suspend service to the premises until such time as the activity ceases or approval to resell is granted.
38. **EXTENSIONS**: Any owner of property situated on a street or highway in which no water main has been laid (or where the main has been laid, but has not been extended to the point opposite the owner's property), may make application to the Utility requesting permission to have such a servicing extension carried out. The Utility would review the application and either give approval in principle for the extension, or advise the property owner that the extension is not feasible, and will provide the owner with the reason for refusing permission.

After approval in principle has been granted, the owner may sign a contract with the Utility requesting that the Utility install the water extension at his expense, or the owner may have the water line extended by a private contractor approved by the Utility. Where the latter is done, the extension must be designed and the construction supervised by a registered professional engineer with the design being approved by the Utility.

In any event, the cost of the extension shall be paid fully by the owner and the ownership of the water line turned over to the Utility before any water services are connected to the extended line.

After the water line has been turned over to the Utility, it shall become a part of the Village water utility and all of these regulations affecting the operation of the Utility shall apply.

39. **WATER CONSERVATION DIRECTIVES**: The Utility may enact conservation of water directives to its customers if in the opinion of the Utility such directives will permit the Utility

to provide a reliable, continuous water supply to all customers served by the Utility. During such times as these directives may be enacted, customers who do not comply with the directives may have the water supply suspended until such time as the customer will agree to comply with the directive or upon suspension of the water conservation directive, whichever occurs first. In the event that water is temporarily suspended for non-compliance of a water conservation directive, the cost of turning on the service will be billed to the customer as per the Schedule of Rates and Charges.

40. **CURB STOP/CONTROL VALVE SERVICE BOX:** The curb stop/control valve service box housing the customers control valve shall be exposed for access by the Utility at all times. The Utility requires all curb stop/control valve service boxes and/or valves to be fully exposed and adjusted to final landscape grade before the installation of a customer's water meter. The customer shall not make any adjustments to the service box. Any adjustment to the service box requested by the customer shall be carried out by the Utility and paid for by the customer.

The customer shall ensure the curb stop/control valve service box and/or the valve box is exposed at all times. In the event that the curb stop/control valve service box is buried, paved over, back-filled or damaged as a result of carelessness, willful obstruction or any other occurrence that, in the opinion of the Utility, results in the requirement for the Utility to expose, re-expose, adjust or repair the curb stop /control valve service box, it shall be at the customer's expense. The Utility may undertake such activities as it deems necessary to gain access to the premises curb stop/control valve service box without expense to the Utility. When such action is undertaken, the reinstatement of the road, right-of-way, driveway, sidewalk, curb or landscape will be charged back to the customer if such activity is undertaken by the Utility.