



Town of Amherst
Special Council Meeting
Agenda

Date: **November 5, 2021**
Time: **12:15 pm**
Location: **Zoom Virtual Meeting**

Pages

1. CALL TO ORDER
2. REQUEST FOR DECISION
 - 2.1. Water Rate Study 1 - 60
3. ADJOURNMENT

Synopsis

Water Rate Study

The Amherst Water Utility generates most of its revenue by the application of water rates to its customers. The Nova Scotia Utility and Review Board approves all water utility water rates within the Province and requires a water rate study to be completed justifying the rates applied for.

The last time the town asked the board to set the water rates was in 2017 for the period ending March 31, 2020. The Town did not apply for rate increases for the past two fiscal years.

The rates proposed in the study will cover a three year operating period and are designed to provide the Utility with sufficient operating resources to provide potable drinking water to its customers as well as sufficient water flows to fight fires within our service area. The cost of capital upgrades to our water distribution system are also included in the rates.

Our most common residential customer, those on a 5/8" water line, and using an average amount of water, will see their quarterly water bill rise from \$63.12 presently, to \$71.73 in 2022/23; to \$74.09 in 2023/24 and to \$76.61.96 in 2024/25.

Notwithstanding the water rate increases being proposed, Amherst Water Utility customers will continue to benefit from having the sixth lowest water rates in Nova Scotia.

MOTION :

That the Town of Amherst Water Utility apply to the Nova Scotia Utility and Review Board for changes in its rates for water and water service, fire protection to the Town of Amherst and changes to its rules and regulations for customers served by the Utility, as set out in the Water Rate Study prepared by G.A. Isenor Consulting Limited in association with Blaine S. Rooney Consulting Limited.

TO: Mayor Kogon and Members of Amherst Town Council

SUBMITTED BY: Jason MacDonald, CAO

DATE: November 05, 2021

SUBJECT: Water Rate Study

ORIGIN: The Amherst Water Utility generates most of its revenue by the application of water rates to its customers. The Nova Scotia Utility and Review Board approves all water utility water rates within the Province and requires a water rate study to be completed justifying the rates applied for.

LEGISLATIVE AUTHORITY: Section 42 (Separate rate base for each service supplied) and Section 35 (Approval of improvement over \$250,000) of the Public Utilities Act.

RECOMMENDATION: That Council accept the Water Rates Study dated September 23, 2021 as completed by G. A. Isenor Consulting Limited in association with Blaine S. Rooney Consulting Limited, and submit the application for establishment of new water rates to the Nova Scotia Utility and Review Board.

BACKGROUND: The last time the town asked the board to set the water rates was in 2017. These were set to expire on April 1, 2020. However, the COVID-19 pandemic resulted in the application being delayed and led to the town using the 2019 rates, as approved by the review board, during the 2020-2021 and 2021-2022 fiscal years.

DISCUSSION: The rates proposed in the study will cover a three-year operating period and are designed to provide the Utility with sufficient operating resources to provide potable drinking water to its customers as well as sufficient water flows to fight fires within our service area. The cost of capital upgrades to our water distribution system are also included in the rates.

It should also be noted that due to demographics, the proliferation of more efficient household appliances and the continued metering of water usage, the trend has been for water consumption to be decreasing for the last number of years. While this has positive impacts on the environment, the cost of producing and transmitting the water does not decrease. Therefore, the rates have to increase modestly just to retain the existing required revenue for the Utility.

Notwithstanding the water rate increases being proposed, Amherst Water Utility customers will continue to benefit from having the sixth lowest water rates in Nova Scotia (list attached).





AMHERST TOWN COUNCIL

RFD# 2021090

Date: November 5, 2021

FINANCIAL IMPLICATIONS: The consultants are recommending rate increases between 7.9 per cent and 13.4 per cent in the 2022-2023 fiscal year, between 3.2 per cent and 3.7 per cent in the 2023-2024 fiscal year and 3.4 per cent and 3.8 per cent in the 2024-2025 fiscal year. The size of the increase depends on the size of the water line feeding a building or if it is an unmetered property.

As an example, in the 2022-2023 fiscal year, the quarterly water bill for an average Amherst home, which has a 5/8th inch water line and uses an average of 42 cubic metres of water per quarter, will rise to \$71.73 from \$63.12.

In addition, the fire protection charge paid by the Town of Amherst to the Amherst Water Utility will be impacted as outlined in the following chart. The entire fire protection charge does not impact the Town as a small portion of the fire hydrants, and therefore fire protection costs, are within the County. This portion will be paid by the County to the Water Utility.

	2022/23	2023/24	2024/25
Fire Protection Charge	\$829,844	\$843,004	\$867,516

Finally, the dividend to the owner, paid from the Amherst Water Utility to the Town of Amherst will be as follows:

	2022/23	2023/24	2024/25
Dividend to Owner	\$135,000	\$135,000	\$135,000

COMMUNITY ENGAGEMENT: A Media Release will be issued, pending Council’s approval. In addition, the Nova Scotia Utility and Review Board will hold a public hearing as required under the *Public Utilities Act*.

ENVIRONMENTAL IMPLICATIONS: There are no direct environmental implications to applying for new water rates. However, the new rates will fund a significant amount of infrastructure renewal which will improve the efficiency of the water distribution system, including reduced water loss from water main breaks and general leakage in the system.

SOCIAL JUSTICE IMPLICATIONS: There are no social justice implications to the completion of the water rate study and application to the Board to set the water rates.





AMHERST TOWN COUNCIL

RFD# 2021090

Date: November 5, 2021

ALTERNATIVES: The water rate increases could be deferred for a short period of time. However, this will result in a general lack of investment in the water system leading to larger water rate increases being required in the future.

ATTACHMENTS:

Water Rate Study prepared by G. A. Isenor Consulting Limited.

Water rates for other Nova Scotian water utilities

Report prepared by: Jason MacDonald, CAO



Town of Amherst Water Utility
Water Rate Study

Prepared By

G. A. Isenor Consulting Limited

in Association with

Blaine S. Rooney Consulting Limited

23-Sep-21

INDEX

NOTES TO WORKSHEETS

WORKSHEETS B-1 TO D-2

SCHEDULES A, B, AND C – RATES AND CHARGES

SCHEDULE D – RULES AND REGULATIONS

**TOWN OF AMHERST
WATER UTILITY**

SUPPLEMENTAL NOTES TO WORKSHEETS

Worksheet C-4

The application includes projected growth of five new residential customers in each of the test years.

Worksheet C-6

A review of the data from the previous rate study indicates that in the last 5 years the average consumption per customer for the 5/8" customers has declined. Based on this data the rate study includes an average decline for both unmetered and 5/8" customers of 0.5% per year. The average consumption for unmetered customers was reduced in the previous rate study to 256 cubic meters per year in the final test year. The current rate study uses an average consumption of 256 cubic meters for unmetered customers in 2021/22. Unmetered customers are expected to follow the pattern of the 5/8" customers and have been reduced by 0.5% per year for each of the test years.

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 year 2020/21 (actual) as provided by the Utility.

Operating Revenues - The operating revenue for 20/22, 22/23, 23/24 and 24/15 is based on the Utility's budget. The application includes projected growth of five new residential customers in each of the test years. The fire protection rate is based on rate approved at 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.

Non-operating Revenues – The non-operating revenue is projected for the test years.

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

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

Worksheet B-2

This worksheet takes the information from Worksheet B-1 to develop revenue requirements for the years for 22/23, 23/24 and 24/15.

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 21/22. The projected expenditures for the test years are taken from the Utility budget.

Worksheet B-3

This worksheet calculates the depreciation per year and the depreciation fund balance based on the proposed capital works for the years 21/22, 22/23, 23/24 and 24/15. The depreciation fund balance for the year 21/22 is taken from the financials statements of the Utility.

Worksheet B-4

No funding from Provincial and Federal sources is available for the test years.

Worksheet B-5

This worksheet allocates the assets of the Utility between general service and fire protection. The Utility Plant in Service has been taken from the 2021/22 Financial Statements. The worksheet 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 protections.

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. The allocations used are consistent with those used in the previous rate application to the Board.

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 22/23, 23/24 and 24/15.

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 C-9

This worksheet is used to calculate the bulk water charge for the years 22/23, 23/24 and 24/15.

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

Town of Amherst Water Utility
Comparative Statement of Operations
 Fiscal Years ending March 31st

	2020/21 (Actual)	2021/22 Budget	Projection Using Current Rates		
			2022/23 Budget	2023/24 Budget	2024/25 Budget
OPERATING REVENUES					
Metered Sales	1,231,239	1,221,615	1,221,615	1,221,615	1,221,615
Flat Rate Sales	166,869	166,320	166,320	166,320	166,320
Public Fire Protection	807,481	807,481	807,481	807,481	807,481
Private Hydrants	14,750	14,750	14,750	14,750	14,750
Sprinkler Service	15,050	15,350	15,350	15,350	15,350
Bulk Water Sales	9,300	8,500	8,500	8,500	8,500
Sale of Services	15,118	10,000	10,000	10,000	10,000
Sundry	1,175	1,200	1,200	1,200	1,200
Total	2,260,982	2,245,216	2,245,216	2,245,216	2,245,216
OPERATING EXPENDITURES					
Source of Supply	28,991	34,000	34,680	35,374	36,081
Power and Pumping	159,210	168,000	171,923	175,361	178,869
Water Treatment	16,700	17,600	18,802	19,178	19,561
Transmission and Distribution	775,054	760,873	778,104	796,300	813,185
Administration and General	531,735	590,271	599,701	618,295	635,705
Depreciation	366,018	419,212	443,863	492,655	538,742
Taxes	31,694	32,000	32,640	33,293	33,959
Total	1,909,402	2,021,956	2,079,713	2,170,456	2,256,102
OPERATING PROFIT (LOSS)	351,580	223,260	165,503	74,760	-10,886
			0		
NON-OPERATING REVENUES					
Interest and other income	5,226	5,000	5,000	5,000	5,000
Transfer from General Operating Fund	0	0	0	0	0
Other- Interest on Depreciation account	0	0	0	0	0
Total	5,226	5,000	5,000	5,000	5,000
NON-OPERATING EXPENDITURES					
Debt Charges - Principal	83,385	83,380	138,085	119,023	119,032
Debt Charges - Interest	19,123	35,384	39,888	36,015	32,973
New Debt - Principal			0	0	0
New Debt - Interest			0	0	0
New Debt - Principal			0	0	0
New Debt - Interest			0	0	0
New Debt - Principal			0	0	0
New Debt - Interest			0	0	0
Bank Charges					
Capital out of Revenue	114,497	40,000	40,000	40,000	40,000
Dividend to Owner	135,000	135,000	135,000	135,000	135,000
Total	352,005	293,764	352,973	330,038	327,005
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	4,801	-65,504	-182,470	-250,278	-332,891
SURPLUS AT BEGINNING OF YEAR	178,907	183,708	118,204	-64,267	-314,545
ACCUMULATED SURPLUS (DEFICIT)	183,708	118,204	-64,267	-314,545	-647,436

Town of Amherst Water Utility				
Statement of Operating Expenditures and Revenue Requirements				
	2021/22	2022/23	2023/24	2024/25
	(Estimated)			
OPERATING EXPENDITURES				
Source of Supply	34,000	34,680	35,374	36,081
Power and Pumping	168,000	171,923	175,361	178,869
Water Treatment	17,600	18,802	19,178	19,561
Transmission and Distribution	760,873	778,104	796,300	813,185
Administration and General	590,271	599,701	618,295	635,705
Depreciation	419,212	443,863	492,655	538,742
Taxes	32,000	32,640	33,293	33,959
Total	2,021,956	2,079,713	2,170,456	2,256,102
NON OPERATING EXPENSES				
Debt Charges - Principal	83,380	138,085	119,023	119,032
Debt Charges - Interest	35,384	39,888	36,015	32,973
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
Capital out of Revenue	40,000	40,000	40,000	40,000
Dividend to Owner	135,000	135,000	135,000	135,000
Total	293,764	352,973	330,038	327,005
LESS NON-OPERATING REVENUES				
Interest and other income	5,000	5,000	5,000	5,000
Transfer from General Operating Fund	0	0	0	0
Other- Interest on Depreciation account	0	0	0	0
Total	5,000	5,000	5,000	5,000
LESS OTHER OPERATING REVENUE				
Private Hydrants	14,750	14,750	14,750	14,750
Sprinkler Service	15,350	15,350	15,350	15,350
Bulk Water Sales	8,500	8,500	8,500	8,500
Sale of Services	10,000	10,000	10,000	10,000
Sundry	1,200	1,200	1,200	1,200
Total	49,800	49,800	49,800	49,800
REVENUE REQUIRED FROM FIRE PROTECTION AND WATER CUSTOMERS				
	2,260,920	2,377,886	2,445,694	2,528,307

23-Sep-21

Town of Amherst Water Utility Statement of Operating Expenditures				
	2021/22 Budget	2022/23 Test	2023/24 Test	2024/25 Test
SOURCE OF SUPPLY				
Software Licensing	0	0	0	0
Meeting Expenses	0	0	0	0
Plant Maintenance	0	0	0	0
Materials and Supplies	1,000	1,020	1,040	1,061
Professional Services	33,000	33,660	34,333	35,020
Other	0	0	0	0
TOTAL SOURCE OF SUPPLY	34,000	34,680	35,374	36,081
POWER AND PUMPING				
Heat and Furnace Oil	5,000	5,663	5,776	5,892
Heat and Furnace Natural Gas	4,500	4,590	4,682	4,775
Electricity	140,000	142,800	145,656	148,569
Plant Maintenance	2,500	2,550	2,601	2,653
Vehicle/Equipment Repairs	2,500	2,550	2,601	2,653
Vehicle/Equipment Rental	500	510	520	531
Vehicle /Equipment Diesel Fuel	1,000	1,020	1,040	1,061
Materials and Supplies	10,000	10,200	10,404	10,612
Contracts/Agreements	2,000	2,040	2,081	2,122
Other	0	0	0	0
TOTAL POWER AND PUMPING	168,000	171,923	175,361	178,869
WATER TREATMENT				
Software licensing	8,000	8,160	8,323	8,490
Electricity	2,100	2,142	2,185	2,229
Materials and Supplies	7,500	8,500	8,670	8,843
Other	0	0	0	0
TOTAL WATER TREATMENT	17,600	18,802	19,178	19,561
TRANSMISSION AND DISTRIBUTION				
Wages and Salaries	342,700	349,554	356,545	363,676
Year End Wages and Benefit Accruals	1,385	1,413	1,441	1,470
CPP	17,190	17,706	18,237	18,784
Employment Insurance	7,380	7,601	7,829	8,064
Blue Cross	8,550	8,807	9,071	9,343
Pension Regular Payment	31,010	31,940	32,899	33,885
Group Insurance	13,470	13,874	14,290	14,719
WCB	6,540	6,736	6,938	7,146
Pension Special Payment	3,948	5,369	6,790	6,790
Liability Claims	10,000	10,200	10,404	10,612
Professional Development	1,000	2,000	2,040	2,081
Travel	500	510	520	531
Professional Memberships	350	357	364	371
Office Supplies	100	102	104	106
Advertising	250	255	260	265
Courier	100	102	104	106
Cellular	3,000	3,060	3,121	3,184
Computer Hardware	1,500	1,530	1,561	1,592
Software License	1,000	1,020	1,040	1,061
Meeting Expenses	400	408	416	424
Electrical	12,000	12,240	12,485	12,734
Building FacilityRent	28,000	28,560	29,131	29,714
Vehicle /Equipment Repairs	15,000	15,300	15,606	15,918

Vehicle/Equipment Rental	1,000	1,020	1,040	1,061
Vehicle/Equipment Gas	8,000	8,160	8,323	8,490
Vehicle /Equipment Diesel Fuel	10,000	10,200	10,404	10,612
Vehicle /Equipment Diesel General Supplies				
Equipment Tools	4,500	4,600	4,700	4,800
Materials and Supplies	45,000	50,000	51,000	52,000
Gravel	27,000	27,540	28,091	28,653
Asphalt	90,000	91,800	93,636	95,509
Pipe and Accessories	20,500	21,000	21,500	22,000
Uniforms and Clothing	4,500	4,590	5,000	5,200
Professional Services	20,000	15,000	15,300	15,606
Contracts/Agreements	20,000	20,400	20,808	21,224
Contracts/Agreements - Welding	2,500	2,600	2,700	2,800
Licenses and Permits	2,500	2,550	2,601	2,653
Other - Cost Recovery	0	0	0	0
TOTAL TRANSMISSION AND DISTRIBUTION	760,873	778,104	796,300	813,185
ADMINISTRATION AND GENERAL				
Wages and Salaries	206,300	210,426	214,635	218,927
Year End Wages and Benefit Accruals	958	977	997	1,017
CPP	8,640	8,899	9,166	9,441
Employment Insurance	3,620	3,729	3,840	3,956
Blue Cross	7,590	7,818	8,052	8,294
Pension Regular Payment	23,060	23,752	24,464	25,198
Group Insurance	4,190	4,316	4,445	4,579
WCB	3,320	3,420	3,522	3,628
Pension Special Payment	5,170	7,031	8,892	8,892
Liability Claims				
Professional Development	3,500	3,570	3,641	3,714
Travel	5,000	5,100	5,202	5,306
Conferences and Conventions	2,000	2,040	2,081	2,122
Professional Memberships	1,000	1,020	1,040	1,061
Office Supplies	2,500	2,550	2,601	2,653
Office Equipment	1,000	1,020	1,040	1,061
Photocopy Supplies				
Advertising	1,000	1,020	1,040	1,061
Postage	300	306	312	318
Courier	100	102	104	106
Telephone	32,000	32,640	33,293	33,959
Cellular	6,000	6,120	6,242	6,367
Computer Hardware	3,000	4,700	4,794	4,890
Computer Software	2,300	2,346	2,393	2,441
Software Licensing	12,290	12,536	12,787	13,042
Meeting Expenses	850	867	884	902
Catering	250	255	260	265
Promotion				
Liability Insurance	8,214	9,035	9,939	10,933
Building Facility Insurance	19,545	21,500	23,649	26,014
Vehicle/Equipment Insurance	3,040	3,344	3,678	4,046
Materials and Supplies	3,500	3,570	3,641	3,714
Uniforms and Clothing				
Professional Services	15,000	15,300	15,606	15,918
Contracts/Agreements	179,600	184,988	190,538	196,254
Licenses and Permits		0	0	0
Leases Office	1,800	1,836	1,873	1,910
Regulatory Fees	3,500	3,570	3,641	3,714
Debenture Issue Costs	10,134	0	0	0
Provision for Bad Debts	10,000	10,000	10,000	10,000
Other- Valuation Allowance/Appeal	0	0	0	0
TOTAL ADMINISTRATION AND GENERAL	590,271	599,701	618,295	635,705

Town of Amherst Water Utility
Calculation of Depreciation of Tangible Plant at Total Cost
2021/22

	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation at beginning of year	366,018
LAND AND LAND RIGHTS					
Source of Supply Land	38,360	38,360	0		0
Land - General			0		0
STRUCTURES AND IMPROVEMENTS			0		0
Source of Supply Structures	0		0	0	0
Power and Pumping Structures	0		0	0.02	0
Purification	0		0	0.05	0
Distribution Reservoirs and Standpipes	0	0	0	0.1	0
Well Blowoffs	0		0	0.07	0
Monitoring Wells	40,000	0	40,000	0.025	1,000
Other	0		0	0.05	0
Equipment	0		0		0
Electrical Pumping	0	0	0	0.05	0
Purification Equipment	0	0	0	0.05	0
Office Furniture and Equipment	0		0		0
Transportation Equipment	175,000	0	175,000	0.2	35,000
Tools and Work Equipment	0		0	0.05	0
Wellfiled Generator	240,000		240,000	0.04	9,600
Water leak Correlator	0		0	0.2	0
Handheld Meter Reading Device	15,000	0	15,000	0.07	1,050
Other - Overhead Doors	30,000	0	30,000	0.1	3,000
Mains	0		0		0
Transmission	0	0	0	0.0133	0
Distribution	207,000	0	207,000	0.0133	2,753
Meters	12,500	0	12,500	0.05	625
Hydrants	12,500	0	12,500	0.0133	166
Sprinkler Connections		0	0		0
Services	0	0	0	0.02	0
Other - Water Rate Application	0	0	0	0.333	0
TOTAL	770,360	38,360	732,000		53,194
Source of Funding					
				Depreciation Fund Balance beginning of year	610,735
Outside Sources	38,360			Interest on Fund balance	7,634
Depreciation fund	692,000			Fund balance before expenditures	618,369
Long Term Debt	0			Depreciation Payment in Current Year	419,212
Capital out of revenue	40,000			Depreciation Expenditure in Current Year	692,000
TOTAL	770,360			Balance after expenditures	345,582

Town of Amherst Water Utility
Calculation of Depreciation of Tangible Plant at Total Cost
2022/23

	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
					Estimated Depreciation at beginning of year 419,212
LAND AND LAND RIGHTS					
Source of Supply Land	0		0		0
Land - General			0		0
STRUCTURES AND IMPROVEMENTS			0		0
Source of Supply Structures	0		0	0.05	0
Power and Pumping Structures	0		0	0.05	0
Purification	0		0	0.05	0
Distribution Reservoirs and Standpipes	0	0	0	0.01333	0
Water Treatment Plant	0		0		0
General - Watershed Study	0	0	0	0.05	0
Source Water Protection Study	0		0	0.05	0
Equipment	0		0		0
Electrical Pumping	50,000	0	50,000	0.05	2,500
Purification Equipment	0	0	0	0.05	0
Office Furniture and Equipment	0		0		0
Transportation Equipment	55,000	0	55,000	0.2	11,000
Tools and Work Equipment	75,000		75,000	0.1	7,500
Backwash Piping	0		0	0.05	0
Distribution Mains Equipment					0
Meter Shop Equipment	0	0	0	0	0
Other	0	0	0	0.1	0
Mains	0		0		0
Transmission	0	0	0	0.0133	0
Distribution	215,000	0	215,000	0.0133	2,860
Meters	12,500	0	12,500	0.05	625
Hydrants	12,500	0	12,500	0.0133	166
Sprinkler Connections	0	0	0		0
Services	0	0	0	0.02	0
Other		0	0	0.02	0
TOTAL	420,000	0	420,000		24,651
Source of Funding					
			Depreciation Fund Balance beginning of year		345,582
Outside Sources	0		Interest on Fund balance		4,320
Depreciation fund	380,000		Fund balance before expenditures		349,901
Long Term Debt	0		Depreciation Payment in Current Year		443,863
Capital out of revenue	40,000		Depreciation Expenditure in Current Year		380,000
TOTAL	420,000		Balance after expenditures		413,764

Town of Amherst 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
		Estimated Depreciation at beginning of year			443,863
LAND AND LAND RIGHTS					
Source of Supply Land	0	0	0	0	0
Source Water Protection					0
STRUCTURES AND IMPROVEMENTS					0
Source of Supply Structures	0	0	0	0.01333	0
Power and Pumping Structures	0	0	0	0.02	0
Purification	0		0	0	0
Distribution Reservoirs and Standpipes	0	0	0	0.01333	0
Water Treatment Plant	0	0	0	0.02	0
Booster Station Upgrades	0	0	0	0.02	0
Other Piping	0	0	0	0.05	0
Equipment		0	0		0
Electrical Pumping	300,000	0	300,000	0.05	15,000
Purification Equipment	0	0	0	0.05	0
Backhoe	165,000	0	165,000	0.2	33,000
Dump Truck	0	0	0	0.0667	0
Tools and Work Equipment	0	0	0	0.2	0
GIS System		0	0		0
Distribution Mains Equipment		0	0		0
Meter Pit	0	0	0	0	0
Other Equipment	0	0	0	0.04	0
Mains		0	0		0
Transmission	0		0	0.01333	0
Distribution	0	0	0	0.01333	0
Meters	12,500	0	12,500	0.05	625
Hydrants	12,500	0	12,500	0.01333	167
Sprinkler Connections			0		0
Services		0	0	0.02	0
Other			0	0.02	0
TOTAL	490,000	0	490,000		48,792
Source of Funding					
			Depreciation Fund Balance beginning of year		413,764
Outside Sources	0		Interest on Fund balance		5,172
Depreciation fund	450,000		Fund balance before expenditures		418,936
Long Term Debt	0		Depreciation Payment in Current Year		492,655
Capital out of revenue	40,000		Depreciation Expenditure in Current Year		450,000
TOTAL	490,000		Balance after expenditures		461,591

Town of Amherst 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
				Estimated Depreciation at beginning of year	492,655
LAND AND LAND RIGHTS					
Source of Supply Land	0		0		0
Land - General			0		0
STRUCTURES AND IMPROVEMENTS					
Source of Supply Structures			0	0	0
Power and Pumping Structures			0		0
Purification			0	0.05	0
Distribution Reservoirs and Standpipes		0	0	0.02	0
Water Treatment Plant	0		0	0.05	0
General Test well	0	0	0	0.04	0
Other Water Source Structures			0		0
Equipment					
Electrical Pumping	150,000	0	150,000	0.05	7,500
Purification Equipment	0	0	0	0.05	0
Office Furniture and Equipment			0		0
Transportation Equipment	180,000	0	180,000	0.2	36,000
Tools and Work Equipment	0		0	0.1	0
GIS System			0	0.2	0
Distribution Mains Equipment			0		0
Meter Shop Equipment		0	0	0.05	0
Other Equipment			0		0
Mains					
Transmission	0		0	0.0133	0
Distribution	135,000	0	135,000	0.0133	1,796
Meters					
	12,500	0	12,500	0.05	625
Hydrants					
	12,500	0	12,500	0.01333	167
Sprinkler Connections	0	0	0		0
Services					
	0	0	0	0.02	0
Other					
				0.02	0
TOTAL	490,000	0	490,000	1	46,087
Source of Funding					
			Depreciation Fund Balance beginning of year		461,591
Outside Sources	0		Interest on Fund balance		5,770
Depreciation fund	450,000		Fund balance before expenditures		467,361
Long Term Debt	0		Depreciation Payment in Current Year		538,742
Capital out of revenue	40,000		Depreciation Expenditure in Current Year		450,000
TOTAL	490,000		Balance after expenditures		556,103

<p style="text-align: center;">Town of Amherst Water Utility Calculation of Amortization on Capital Contributions (to Plant) 2022/23</p>			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.0000	0
Land - General	0	0.0000	0
STRUCTURES AND IMPROVEMENTS	0	0.0000	0
Source of Supply Structures	0	0.0500	0
Power and Pumping Structures	0	0.0500	0
Purification	0	0.0500	0
Distribution Reservoirs and Standpipes	0	0.0133	0
Water Treatment Plant	0	0.0000	0
General - Watershed Study	0	0.0500	0
Other Water Source Structures	0	0.0500	0
Equipment	0	0.0000	0
Electrical Pumping	0	0.0500	0
Purification Equipment	0	0.0500	0
Office Furniture and Equipment	0	0.0000	0
Transportation Equipment	0	0.2000	0
Tools and Work Equipment	0	0.1000	0
GIS System	0	0.0500	0
Distribution Mains Equipment	0	0.0000	0
Meter Shop Equipment	0	0.0000	0
Other Equipment	0	0.1000	0
Mains	0	0.0000	0
Transmission	0	0.0133	0
Distribution	0	0.0133	0
Meters	0	0.0500	0
Hydrants	0	0.0133	0
Sprinkler Connections	0	0.0000	0
Services	0	0.0200	0
Other	0	0.0000	0
TOTAL	0		0

<p style="text-align: center;">Town of Amherst Water Utility Calculation of Amortization on Capital Contributions (to Plant) 2023/24</p>			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.0000	0
Land - General	0	0.0000	0
STRUCTURES AND IMPROVEMENTS		0.0000	0
Source of Supply Structures	0	0.0133	0
Power and Pumping Structures	0	0.0200	0
Purification	0	0.0000	0
Distribution Reservoirs and Standpipes	0	0.0133	0
Water Treatment Plant	0	0.0200	0
General - Watershed Study	0	0.0200	0
Other Water Source Structures	0	0.0500	0
Equipment	0	0.0000	0
Electrical Pumping	0	0.0500	0
Purification Equipment	0	0.0500	0
Office Furniture and Equipment	0	0.2000	0
Transportation Equipment	0	0.0667	0
Tools and Work Equipment	0	0.2000	0
GIS System	0	0.0000	0
Distribution Mains Equipment	0	0.0000	0
Meter Shop Equipment	0	0.0000	0
Other Equipment	0	0.0400	0
Mains	0	0.0000	0
Transmission	0	0.0133	0
Distribution	0	0.0133	0
Meters	0	0.0500	0
Hydrants	0	0.0133	0
Sprinkler Connections	0	0.0000	0
Services	0	0.0200	0
Other	0	0.0200	0
TOTAL	0		0

<p style="text-align: center;">Town of Amherst Water Utility Calculation of Amortization on Capital Contributions (to Plant) 2024/25</p>			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.0000	0
Land - General	0	0.0000	0
STRUCTURES AND IMPROVEMENTS	0	0.0000	0
Source of Supply Structures	0	0.0000	0
Power and Pumping Structures	0	0.0000	0
Purification	0	0.0500	0
Distribution Reservoirs and Standpipes	0	0.0200	0
Water Treatment Plant	0	0.0500	0
General - Watershed Study	0	0.0400	0
Other Water Source Structures	0	0.0000	0
Equipment	0	0.0000	0
Electrical Pumping	0	0.0500	0
Purification Equipment	0	0.0500	0
Office Furniture and Equipment	0	0.0000	0
Transportation Equipment	0	0.2000	0
Tools and Work Equipment	0	0.1000	0
GIS System	0	0.2000	0
Distribution Mains Equipment	0	0.0000	0
Meter Shop Equipment	0	0.0500	0
Other Equipment	0	0.0000	0
Mains	0	0.0000	0
Transmission	0	0.0133	0
Distribution	0	0.0133	0
Meters	0	0.0500	0
Hydrants	0	0.0133	0
Sprinkler Connections	0	0.0000	0
Services	0	0.0200	0
Other	0	0.0200	0
TOTAL	0		0

Town of Amherst Water Utility
Allocation of the Total Cost of Utility Plant in Service
Between General Service and Fire Protection
2021/22

	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	609,525	38,360	647,885	90.0%	583,097	10.0%	64,789
Land - Reservoir	-	-	-	90.0%	0	10.0%	0
STRUCTURES AND IMPROVEMENTS							
Source of Supply Structures	1,000,514	-	1,000,514	90.0%	900,463	10.0%	100,051
Power and Pumping Structures	491,661	-	491,661	90.0%	442,495	10.0%	49,166
Purification	436,056	-	436,056	90.0%	392,450	10.0%	43,606
Distribution Reservoirs and Standpipes	6,213,715	-	6,213,715	40.0%	2,485,486	60.0%	3,728,229
Water Treatment Plant	-	-	-	90.0%	0	10.0%	0
Wells	-	40,000	40,000	90.0%	36,000	10.0%	4,000
Other	-	-	-	90.0%	0	10.0%	0
Equipment							
Electrical Pumping	328,543	-	328,543	90.0%	295,689	10.0%	32,854
Purification Equipment	295,712	-	295,712	90.0%	266,141	10.0%	29,571
SCADA and Radio Controls	-	-	-	90.0%	0	10.0%	0
Transportation Equipment	705,402	175,000	880,402	90.0%	792,362	10.0%	88,040
Tools and Work Equipment	57,483	-	57,483	90.0%	51,735	10.0%	5,748
Wellfield Generator	-	240,000	240,000	90.0%	216,000	10.0%	24,000
Distribution Mains Equipment	-	-	-	40.0%	0	60.0%	0
Meter Reading Equipment	-	15,000	15,000	90.0%	13,500	10.0%	1,500
Other - Overhead Doors	-	30,000	30,000	90.0%	27,000	10.0%	3,000
Mains							
Transmission	1,834,359	-	1,834,359	40.0%	733,744	60.0%	1,100,615
Distribution	10,766,148	207,000	10,973,148	40.0%	4,389,259	60.0%	6,583,889
Meters	442,828	12,500	455,328	100.0%	455,328	0.0%	0
Hydrants	572,161	12,500	584,661	0.0%	0	100.0%	584,661
		-	-	0.0%	0	100.0%	0
Services	784,085	-	784,085	100.0%	784,085	0.0%	0
Other	25,042	-	25,042	90.0%	22,538	10.0%	2,504
TOTAL	24,563,234	770,360	25,333,594	50.9%	12,887,370	49.1%	12,446,224

Town of Amherst Water Utility Allocation of the Total Cost of Utility Plant in Service Between General Service and Fire Protection 2022/23							
	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	647,885	-	647,885	90.0%	583,097	10.0%	64,789
Land - General	-	-	-	90.0%	0	10.0%	0
STRUCTURES AND IMPROVEMENTS	-	-	-		0		0
Source of Supply Structures	1,000,514	-	1,000,514	90.0%	900,463	10.0%	100,051
Power and Pumping Structures	491,661	-	491,661	90.0%	442,495	10.0%	49,166
Purification	436,056	-	436,056	90.0%	392,450	10.0%	43,606
Distribution Reservoirs and Standpipes	6,213,715	-	6,213,715	40.0%	2,485,486	60.0%	3,728,229
Water Treatment Plant	-	-	-	90.0%	0	10.0%	0
Wells	40,000	-	40,000	90.0%	36,000	10.0%	4,000
Other Water Source Structures	-	-	-	90.0%	0	10.0%	0
Equipment	-	-	-		0		0
Electrical Pumping	328,543	50,000	378,543	90.0%	340,689	10.0%	37,854
Purification Equipment	295,712	-	295,712	90.0%	266,141	10.0%	29,571
Office Furniture and Equipment	-	-	-	90.0%	0	10.0%	0
Transportation Equipment	880,402	55,000	935,402	90.0%	841,862	10.0%	93,540
Tools and Work Equipment	57,483	75,000	132,483	90.0%	119,235	10.0%	13,248
Wellfield Generator	240,000	-	240,000	90.0%	216,000	10.0%	24,000
Distribution Mains Equipment	-	-	-	40.0%	0	60.0%	0
Meter Reading Equipment	15,000	-	15,000	90.0%	13,500	10.0%	1,500
Other - Overhead Doors	30,000	-	30,000	90.0%	27,000	10.0%	3,000
Mains	-	-	-		0		0
Transmission	1,834,359	-	1,834,359	40.0%	733,744	60.0%	1,100,615
Distribution	10,973,148	215,000	11,188,148	40.0%	4,475,259	60.0%	6,712,889
Meters	455,328	12,500	467,828	100.0%	467,828	0.0%	0
Hydrants	584,661	12,500	597,161	0.0%	0	100.0%	597,161
Sprinkler Connections	-	-	-	0.0%	0	100.0%	0
Services	784,085	-	784,085	100.0%	784,085	0.0%	0
Other	25,042	-	25,042	90.0%	22,538	10.0%	2,504
TOTAL	25,333,594	420,000	25,753,594	51.1%	13,147,870	48.9%	12,605,724

Town of Amherst 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							
Organization and Working Capital	-		-	100.0%	0	0.0%	0
Tangible Plant	-						
LAND AND LAND RIGHTS	-		-				
Source of Supply Land	647,885	0	647,885	90.0%	583,097	10.0%	64,789
Land - General	-	0	-	90.0%	0	10.0%	0
STRUCTURES AND IMPROVEMENTS	-	0	-		0		0
Source of Supply Structures	1,000,514	0	1,000,514	90.0%	900,463	10.0%	100,051
Power and Pumping Structures	491,661	0	491,661	90.0%	442,495	10.0%	49,166
Purification	436,056	0	436,056	90.0%	392,450	10.0%	43,606
Distribution Reservoirs and Standpipes	6,213,715	0	6,213,715	40.0%	2,485,486	60.0%	3,728,229
Water Treatment Plant	-	0	-	90.0%	0	10.0%	0
General	40,000	0	40,000	90.0%	36,000	10.0%	4,000
Other Water Source Structures	-	0	-	90.0%	0	10.0%	0
Equipment	-	0	-		0		0
Electrical Pumping	378,543	300,000	678,543	90.0%	610,689	10.0%	67,854
Purification Equipment	295,712	0	295,712	90.0%	266,141	10.0%	29,571
Backhoe	-	165,000	165,000	90.0%	148,500	10.0%	16,500
Transportation Equipment	935,402	0	935,402	90.0%	841,862	10.0%	93,540
Tools and Work Equipment	132,483	0	132,483	90.0%	119,235	10.0%	13,248
Wellfield Generator	240,000	0	240,000	90.0%	216,000	10.0%	24,000
Distribution Mains Equipment	-	0	-	40.0%	0	60.0%	0
Meter Reading Equipment	15,000	0	15,000	90.0%	13,500	10.0%	1,500
Other - Overhead Doors	30,000	0	30,000	90.0%	27,000	10.0%	3,000
Mains	-	0	-		0		0
Transmission	1,834,359	0	1,834,359	40.0%	733,744	60.0%	1,100,615
Distribution	11,188,148	0	11,188,148	40.0%	4,475,259	60.0%	6,712,889
Meters	467,828	12,500	480,328	100.0%	480,328	0.0%	0
Hydrants	597,161	12,500	609,661	0.0%	0	100.0%	609,661
Sprinkler Connections	-	0	-	0.0%	0	100.0%	0
Services	784,085	0	784,085	100.0%	784,085	0.0%	0
Other	25,042	0	25,042	90.0%	22,538	10.0%	2,504
TOTAL	25,753,594	490,000	26,243,594	51.7%	13,578,870	48.3%	12,664,724

Town of Amherst 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							
Organization and Working Capital	-		-	100.0%	0	0.0%	0
Tangible Plant							
LAND AND LAND RIGHTS	-		-				
Source of Supply Land	647,885	0	647,885	90.0%	583,097	10.0%	64,789
Land - General	-	0	-	90.0%	0	10.0%	0
STRUCTURES AND IMPROVEMENTS	-	0	-		0		0
Source of Supply Structures	1,000,514	0	1,000,514	90.0%	900,463	10.0%	100,051
Power and Pumping Structures	491,661	0	491,661	90.0%	442,495	10.0%	49,166
Purification	436,056	0	436,056	90.0%	392,450	10.0%	43,606
Distribution Reservoirs and Standpipes	6,213,715	0	6,213,715	40.0%	2,485,486	60.0%	3,728,229
Water Treatment Plant	-	0	-	90.0%	0	10.0%	0
General	40,000	0	40,000	90.0%	36,000	10.0%	4,000
Other Water Source Structures	-	0	-	90.0%	0	10.0%	0
Equipment	-	0	-				
Electrical Pumping	678,543	150,000	828,543	90.0%	745,689	10.0%	82,854
Purification Equipment	295,712	0	295,712	90.0%	266,141	10.0%	29,571
Office Furniture and Equipment	165,000	0	165,000	90.0%	148,500	10.0%	16,500
Transportation Equipment	935,402	180,000	1,115,402	90.0%	1,003,862	10.0%	111,540
Tools and Work Equipment	132,483	0	132,483	90.0%	119,235	10.0%	13,248
Wellfield Generator	240,000	0	240,000	90.0%	216,000	10.0%	24,000
Distribution Mains Equipment	-	0	-	40.0%	0	60.0%	0
Meter Reading Equipment	15,000	0	15,000	90.0%	13,500	10.0%	1,500
Other - Overhead Doors	30,000	0	30,000	90.0%	27,000	10.0%	3,000
Mains	-	0	-		0		0
Transmission	1,834,359	0	1,834,359	40.0%	733,744	60.0%	1,100,615
Distribution	11,188,148	135,000	11,323,148	40.0%	4,529,259	60.0%	6,793,889
Meters	480,328	12,500	492,828	100.0%	492,828	0.0%	0
Hydrants	609,661	12,500	622,161	0.0%	0	100.0%	622,161
Sprinkler Connections	-	0	-	0.0%	0	100.0%	0
Services	784,085	0	784,085	100.0%	784,085	0.0%	0
Other	25,042	0	25,042	90.0%	22,538	10.0%	2,504
TOTAL	26,243,594	490,000	26,733,594	52.2%	13,942,370	47.8%	12,791,224

Town of Amherst Water Utility			
Allocation of Fire Protection Charges			
Projected Expenses for 2022/23			
	Estimated Expenses	PerCent Allocation to fire Protection	Fire Protection Charge
Source of Supply	34,680	10.0%	3,468
Power and Pumping	171,923	10.0%	17,192
Water Treatment	18,802	10.0%	1,880
Transmission and Distribution	778,104	48.9%	380,862
Adminstration and General	599,701	10.0%	59,970
Depreciation	443,863	48.9%	217,260
Taxes	32,640	10.0%	3,264
Return on Rate Base	298,173	48.9%	145,948
Total	2,377,886	34.9%	829,844

Town of Amherst Water Utility			
Allocation of Fire Protection Charges			
Projected Expenses for Year 2023/24			
	Estimated Expenses	PerCent Allocation to fire Protection	Fire Protection Charge
Source of Supply	35,374	10.0%	3,537
Power and Pumping	175,361	10.0%	17,536
Water Treatment	19,178	10.0%	1,918
Transmission and Distribution	796,300	48.3%	384,281
Adminstration and General	618,295	10.0%	61,830
Depreciation	492,655	48.3%	237,747
Taxes	33,293	10.0%	3,329
Return on Rate Base	275,238	48.3%	132,825
Total	2,445,694	34.5%	843,004

Town of Amherst Water Utility			
Allocation of Fire Protection Charges			
Projected Expenses for Year 2024/25			
	Estimated Expenses	PerCent Allocation to fire Protection	Fire Protection Charge
Source of Supply	36,081	10.0%	3,608
Power and Pumping	178,869	10.0%	17,887
Water Treatment	19,561	10.0%	1,956
Transmission and Distribution	813,185	47.8%	389,085
Adminstration and General	635,705	10.0%	63,571
Depreciation	538,742	47.8%	257,772
Taxes	33,959	10.0%	3,396
Return on Rate Base	272,205	47.8%	130,242
Total	2,528,307	34.3%	867,516

Town of Amherst Water Utility				
Calculation of rate Base and required Return on rate Base				
Years Ending March 31st				
	2021/22	2022/23	2023/24	2024/25
	(Estimate)	(Estimate)	(Estimate)	(Estimate)
RATE BASE				
Utility plant in Service March 31st	25,333,594	25,753,594	26,243,594	26,733,594
Less Accumulated Depreciaiton on actual cost of plant in service (Estimated)	(6,790,172)	(7,234,035)	(7,726,690)	(8,265,432)
Less unamortized amount of capital contribution for plant in service	-	(38,360)	(38,360)	(38,360)
Estimated Rate Base at Year End	18,543,422	18,481,199	18,478,544	18,429,802
REQUIRED RETURN				
Non-operating Expenditures (B-2)	293,764	352,973	330,038	327,005
Less Non-operating Revenue	(5,000)	(5,000)	(5,000)	(5,000)
Less Other Non-operating Revenue (B-2)	(49,800)	(49,800)	(49,800)	(49,800)
Return on Rate Base	238,964	298,173	275,238	272,205
Required Rate of Return (Req'd Return/Est Rate Base)	1.29%	1.61%	1.49%	1.48%

Town of Amherst Water Utility Calculation of Revenue Required for Each Billing/Cost Category 2022/23											
	Total Revenue Required	Fire Protection Revenue	Revenue Required from Metered Rates	Charge				Commodity Charge			
				Customer	Base	Delivery	Production				
Source of Supply	34,680	3,468	31,212						100%	31,212	
Power and Pumping	171,923	17,192	154,731						100%	154,731	
Water Treatment	18,802	1,880	16,922						100%	16,922	
Transmission and Distribution	778,104	380,862	397,242			0%	0	100%	397,242		
Administration and General	599,701	59,970	539,731	10%	53,973	90%	485,758				
Depreciation	443,863	217,260	226,603			40%	90,641	30%	67,981	30%	67,981
Taxes	32,640	3,264	29,376			100%	29,376	0%	0	0%	0
Return on Rate Base	298,173	145,948	152,225			40%	60,890	30%	45,667	30%	45,667
SUBTOTAL	2,377,886	829,844	1,548,042		53,973		666,666		510,891		316,513
TOTAL	2,377,886	829,844	1,548,042		53,973		666,666		510,891		316,513

Town of Amherst Water Utility Calculation of Revenue Required for Each Billing/Cost Category 2023/24											
	Total Revenue Required	Fire Protection Revenue	Revenue Required from Metered Rates	Charge				Commodity Charge			
				Customer	Base	Delivery	Production				
Source of Supply	35,374	3,537	31,836						100%	31,836	
Power and Pumping	175,361	17,536	157,825						100%	157,825	
Water Treatment	19,178	1,918	17,260						100%	17,260	
Transmission and Distribution	796,300	384,281	412,019			0%	0	100%	412,019		
Administration and General	618,295	61,830	556,466	10%	55,647	90%	500,819				
Depreciation	492,655	237,747	254,908			40%	101,963	30%	76,472	30%	76,472
Taxes	33,293	3,329	29,964			100%	29,964	0%	0	0%	0
Return on Rate Base	275,238	132,825	142,413			40%	56,965	30%	42,724	30%	42,724
SUBTOTAL	2,445,694	843,004	1,602,691		55,647		689,711		531,215		326,118
TOTAL	2,445,694	843,004	1,602,691		55,647		689,711		531,215		326,118

Town of Amherst 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				
Source of Supply	36,081	3,608	32,473						100%	32,473	
Power and Pumping	178,869	17,887	160,982						100%	160,982	
Water Treatment	19,561	1,956	17,605						100%	17,605	
Transmission and Distribution	813,185	389,085	424,100			0%	0	100%	424,100		
Administration and General	635,705	63,571	572,135	10%	57,213	90%	514,921				
Depreciation	538,742	257,772	280,970			40%	112,388	30%	84,291	30%	84,291
Taxes	33,959	3,396	30,563			100%	30,563	0%	0	0%	0
Return on Rate Base	272,205	130,242	141,963			40%	56,785	30%	42,589	30%	42,589
SUBTOTAL	2,528,307	867,516	1,660,791		57,213		714,657		550,980		337,940
TOTAL	2,528,307	867,516	1,660,791		57,213		714,657		550,980		337,940

Worksheet C-4

23-Sep-21

Town of Amherst Water Utility Service Connections and Equivalents 2022/23			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	499	1	499
5/8"	3336	1	3,336
3/4"	47	1.5	71
1"	87	2.5	218
1.5"	42	5	210
2"	36	8	288
3"	10	16	160
4"	7	25	175
6"	0	50	0
8"	0	90	0
TOTAL	4064		4,956

Town of Amherst Water Utility Service Connections and Equivalents 2023/24			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	499	1	499
5/8"	3341	1	3,341
3/4"	47	1.5	71
1"	87	2.5	218
1.5"	42	5	210
2"	36	8	288
3"	10	16	160
4"	7	25	175
6"	0	50	0
8"	0	90	0
TOTAL	4069		4,961

Town of Amherst Water Utility Service Connections and Equivalents 2024/25			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	499	1	499
5/8"	3346	1	3,346
3/4"	47	1.5	71
1"	87	2.5	218
1.5"	42	5	210
2"	36	8	288
3"	10	16	160
4"	7	25	175
6"	0	50	0
8"	0	90	0
TOTAL	4074		4,966

Town of Amherst Water Utility Service Connections and Equivalents 2022/23					
Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	134.52	13.28	147.80	36.95
5/8"	1	134.52	13.28	147.80	36.95
3/4"	1.5	201.78	13.28	215.06	53.76
1"	2.5	336.29	13.28	349.57	87.39
1.5"	5	672.58	13.28	685.87	171.47
2"	8	1,076.13	13.28	1,089.42	272.35
3"	16	2,152.27	13.28	2,165.55	541.39
4"	25	3,362.92	13.28	3,376.20	844.05
6"	50	6,725.84	13.28	6,739.12	1,684.78
8"	90	12,106.52	13.28	12,119.80	3,029.95
TOTAL					

Town of Amherst Water Utility Service Connections and Equivalents 2023/24					
Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	139.03	13.68	152.70	38.18
5/8"	1	139.03	13.68	152.70	38.18
3/4"	1.5	208.54	13.68	222.22	55.55
1"	2.5	347.57	13.68	361.24	90.31
1.5"	5	695.13	13.68	708.81	177.20
2"	8	1,112.21	13.68	1,125.89	281.47
3"	16	2,224.43	13.68	2,238.10	559.53
4"	25	3,475.66	13.68	3,489.34	872.34
6"	50	6,951.33	13.68	6,965.01	1,741.25
8"	90	12,512.39	13.68	12,526.07	3,131.52
TOTAL					

Town of Amherst Water Utility Service Connections and Equivalents 2024/25					
Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	143.91	14.04	157.95	39.49
5/8"	1	143.91	14.04	157.95	39.49
3/4"	1.5	215.87	14.04	229.91	57.48
1"	2.5	359.78	14.04	373.82	93.45
1.5"	5	719.55	14.04	733.59	183.40
2"	8	1,151.28	14.04	1,165.32	291.33
3"	16	2,302.56	14.04	2,316.60	579.15
4"	25	3,597.75	14.04	3,611.79	902.95
6"	50	7,195.50	14.04	7,209.54	1,802.39
8"	90	12,951.90	14.04	12,965.94	3,241.49
TOTAL					

Town of Amherst Water Utility Water Consumption by Block				
Meter Size	Actual		2022/23	
	Current Consumption		Consumption	
	1st Block Cubic Metres	2nd Block Cubic Metres	1st Block Cubic Metres	2nd Block Cubic Metres
Unmetered	127,744		127,105	
5/8"	560,342		558,374	
3/4"	21,588		21,588	
1"	45,209		45,209	0
1.5"	56,138		56,138	
2"	97,846		97,846	
3"	31,009		31,009	
4"	62,192		62,192	0
6"	-		0	0
8"	-		0	0
TOTAL	1,002,068	0	999,462	0
	TOTAL BOTH BLOCKS	1,002,068	TOTAL BOTH BLOCKS	999,462

Town of Amherst Water Utility Water Consumption by Block				
Meter Size	2023/24		2024/25	
	Current Consumption		Consumption	
	1st Block Cubic Metres	2nd Block Cubic Metres	1st Block Cubic Metres	2nd Block Cubic Metres
Unmetered	126,470		125,837	
5/8"	556,416		554,468	
3/4"	21,588		21,588	
1"	45,209		45,209	
1.5"	56,138		56,138	
2"	97,846		97,846	
3"	31,009		31,009	
4"	62,192	0	62,192	0
6"	0	0	0	0
8"	0	0	0	0
TOTAL	996,868	0	994,288	0
	TOTAL BOTH BLOCKS	996,868	TOTAL BOTH BLOCKS	994,288

Town of Amherst Water Utility Calculation of Consumption Charge 2022/23	
NET PRODUCTION EXPENSE	BLOCK 1
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.317
NET DELIVERY EXPENSES	
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.511
TOTAL CONSUMPTION CHARGE PER Cubic Meter	
	0.828

Town of Amherst Water Utility Calculation of Consumption Charge 2023/24	
NET PRODUCTION EXPENSE	BLOCK 1
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.327
NET DELIVERY EXPENSES	
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.533
TOTAL CONSUMPTION CHARGE PER Cubic Meter	
	0.860

Town of Amherst Water Utility Calculation of Consumption Charge 2024/25	
NET PRODUCTION EXPENSE	BLOCK 1
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.340
NET DELIVERY EXPENSES	
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.554
TOTAL CONSUMPTION CHARGE PER Cubic Meter	
	0.894

**Town of Amherst Water Utility
Water Consumption by Block
2022/23**

BASE CHARGE

<u>Meter Size</u>	<u>Number</u>	<u>Base Rate</u>	<u>Dollar Revenue</u>
Unmetered	499	147.80	73,751
5/8"	3,336	147.80	493,053
3/4"	47	215.06	10,108
1"	87	349.57	30,413
1.5"	42	685.87	28,806
2"	36	1,089.42	39,219
3"	10	2,165.55	21,656
4"	7	3,376.20	23,633
6"	0	6,739.12	0
8"	0	12,119.80	0

TOTAL BASE REVENUE 720,639

CONSUMPTION CHARGE

	<u>Quantity</u>	<u>\$/ Cubic Meter</u>	
1st Block	999,462	0.828	827,404

TOTAL CONSUMPTION REVENUE 827,404

TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION) 1,548,042

**Town of Amherst Water Utility
Water Consumption by Block
2023/24**

BASE CHARGE

<u>Meter Size</u>	<u>Number</u>	<u>Base Rate</u>	<u>Dollar Revenue</u>
Unmetered	499	152.70	76,198
5/8"	3,341	152.70	510,179
3/4"	47	222.22	10,444
1"	87	361.24	31,428
1.5"	42	708.81	29,770
2"	36	1,125.89	40,532
3"	10	2,238.10	22,381
4"	7	3,489.34	24,425
6"	0	6,965.01	0
8"	0	12,526.07	0

TOTAL BASE REVENUE 745,358

CONSUMPTION CHARGE

	<u>Quantity</u>	<u>\$/ Cubic Meter</u>	
1st Block	996,868	0.860	857,333

TOTAL CONSUMPTION REVENUE 857,333

TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION) 1,602,691

Town of Amherst 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	499	157.95	78,819
5/8"	3,346	157.95	528,513
3/4"	47	229.91	10,806
1"	87	373.82	32,522
1.5"	42	733.59	30,811
2"	36	1,165.32	41,952
3"	10	2,316.60	23,166
4"	7	3,611.79	25,283
6"	0	7,209.54	0
8"	0	12,965.94	0
TOTAL BASE REVENUE			771,871
CONSUMPTION CHARGE			
	<u>Quantity</u>	<u>\$/ Cubic Meter</u>	
1st Block	994,288	0.894	888,920
TOTAL CONSUMPTION REVENUE			888,920
TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION)			1,660,791

Town of Amherst Water Utility Calculation of Bulk Water Rate Years Ending March 31st			
	2022/23	2023/24	2024/25
Cost Base			
Total Operating Expenses (Worksheet B-2)	2,079,713	2,170,456	2,256,102
Total Non Operating Expenses (Worksheet B-2)	352,973	330,038	327,005
Total Expenses	2,432,686	2,500,494	2,583,107
Water Consumption (Worksheet C-6) in cubic meters	999,462	996,868	994,288
Unit Calculations			
Unit cost per cubic meter	2.434	2.508	2.598
Operating cost and profit mark-up	30%	30%	30%
Bulk rate per cubic meter	3.16	3.26	3.38

Town of Amherst Water Utility
Comparison of Current Water Rates with Proposed New Rates
2022/23

Meter Size	Average Quarterly	Base Charge		Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Percent Change
	Consumption	Current	Proposed		Current	Proposed		Current	Proposed	
Unmetered								83.16	89.72	7.9%
5/8"	42	31.11	36.95	18.8%	32.01	34.64	8.2%	63.12	71.59	13.4%
3/4"	115	45.35	53.76	18.6%	87.84	95.06	8.2%	133.19	148.83	11.7%
1"	130	73.83	87.39	18.4%	99.38	107.55	8.2%	173.21	194.94	12.5%
1.5"	334	145.03	171.47	18.2%	255.63	276.63	8.2%	400.66	448.10	11.8%
2"	679	230.47	272.35	18.2%	519.81	562.51	8.2%	750.28	834.87	11.3%
3"	775	458.32	541.39	18.1%	593.05	641.77	8.2%	1,051.37	1,183.16	12.5%
4"	2,221	714.65	844.05	18.1%	1,699.17	1,838.77	8.2%	2,413.82	2,682.82	11.1%
6"	-	1,426.67	1,684.78	18.1%	-	-		1,426.67	1,684.78	
8"	-	2,565.90	3,029.95	0.0%	-	-		2,565.90	3,029.95	

Town of Amherst Water Utility
Comparison of Current Water Rates with Proposed New Rates
2023/24

Meter Size	Average Quarterly	Base Charge		Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Percent Change
	Consumption	Current	Proposed		Current	Proposed		Current	Proposed	
Unmetered								89.72	92.57	3.2%
5/8"	42	36.95	38.18	3.3%	34.64	35.81	3.4%	71.59	73.98	3.3%
3/4"	115	53.76	55.55	3.3%	95.06	98.76	3.9%	148.83	154.31	3.7%
1"	130	87.39	90.31	3.3%	107.55	111.73	3.9%	194.94	202.04	3.6%
1.5"	334	171.47	177.20	3.3%	276.63	287.38	3.9%	448.10	464.58	3.7%
2"	679	272.35	281.47	3.3%	562.51	584.38	3.9%	834.87	865.85	3.7%
3"	775	541.39	559.53	3.4%	641.77	666.71	3.9%	1,183.16	1,226.24	3.6%
4"	2,221	844.05	872.34	3.4%	1,838.77	1,910.24		2,682.82	2,782.58	3.7%
6"	-	1,684.78	1,741.25	3.4%	-	-		1,684.78		0.0%
8"	-	3,029.95	3,131.52		-	-		3,029.95		

Town of Amherst Water Utility
Comparison of Current Water Rates with Proposed New Rates
2024/25

Meter Size	Average Quarterly	Base Charge		Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Percent Change
	Consumption	Current	Proposed		Current	Proposed		Current	Proposed	
Unmetered								92.57	95.81	3.5%
5/8"	41	38.18	39.49	3.4%	35.81	37.04	3.4%	73.98	76.53	3.4%
3/4"	115	55.55	57.48	3.5%	98.76	102.66	4.0%	154.31	160.14	3.8%
1"	130	90.31	93.45	3.5%	111.73	116.14	4.0%	202.04	209.60	3.7%
1.5"	334	177.20	183.40	3.5%	287.38	298.74	4.0%	464.58	482.14	3.8%
2"	679	281.47	291.33	3.5%	584.38	607.48	4.0%	865.85	898.81	3.8%
3"	775	559.53	579.15	3.5%	666.71	693.07	4.0%	1,226.24	1,272.22	3.7%
4"	2,221	872.34	902.95	3.5%	1,910.24	1,985.76	0.0%	2,782.58	2,888.71	3.8%
6"	-	1,741.25	1,802.39	3.5%			0.0%			0.0%
8"	-	3,131.52	3,241.49		-	-				

Town of Amherst Water Utility				
Comparative Statement of Operations				
Fiscal Years ending March 31st				
	2021/22 Year	Projection at Proposed Rates		
		2022/23 Test Yr 1	2023/24 Test Yr 2	2024/25 Test Yr 3
OPERATING REVENUES				
Flat Rate Sales	166,320	179,091	184,774	191,241
Metered Sales	1,221,615	1,368,952	1,417,916	1,469,550
Public Fire Protection	807,481	829,844	843,004	867,516
Private Hydrants	14,750	14,750	14,750	14,750
Sprinkler Service	15,350	15,350	15,350	15,350
Bulk Water Sales	8,500	8,500	8,500	8,500
Sale of Services	10,000	10,000	10,000	10,000
Sundry	1,200	1,200	1,200	1,200
Total	2,245,216	2,427,686	2,495,494	2,578,107
OPERATING EXPENDITURES				
Source of Supply	34,000	34,680	35,374	36,081
Power and Pumping	168,000	171,923	175,361	178,869
Water Treatment	17,600	18,802	19,178	19,561
Transmission and Distribution	760,873	778,104	796,300	813,185
Administration and General	590,271	599,701	618,295	635,705
Depreciation	419,212	443,863	492,655	538,742
Taxes	32,000	32,640	33,293	33,959
Total	2,021,956	2,079,713	2,170,456	2,256,102
OPERATING PROFIT (LOSS)	223,260	347,973	325,038	322,005
NON-OPERATING REVENUES				
Interest and other income	5,000	5,000	5,000	5,000
Transfer from General Operating Fund	0	0	0	0
Other- Interest on Depreciation account	0	0	0	0
Total	5,000	5,000	5,000	5,000
NON-OPERATING EXPENDITURES				
Debt Charges - Principal	83,380	138,085	119,023	119,032
Debt Charges - Interest	35,384	39,888	36,015	32,973
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
Capital out of Revenue	40,000	40,000	40,000	40,000
Dividend to Owner	135,000	135,000	135,000	135,000
Total	293,764	352,973	330,038	327,005
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	-65,504	0	0	0

Appendix 1
Loan Calculator
Long Term Debt
2022/23

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	-	-

Loan Calculator
Long Term Debt
2023/24

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

Payment Schedule

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

Loan Calculator
Long Term Debt
 2024/25

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

Payment Schedule for Capital Works

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	-	-

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

SCHEDULE "A"
TOWN OF AMHERST
WATER UTILITY
SCHEDULE OF RATES FOR WATER AND WATER SERVICES

(Effective for water supplied on and after 1 April 2022)

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 1.0 % 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 Water Utility of the Town of Amherst.

1. **RATES:**

<u>(a) Base Charges</u>	<u>Quarterly</u>
Unmetered (assuming 255 cubic meters per year)	89.72
Size of Meter	
5/8"	36.95
3/4"	53.76
1"	87.39
1.5"	171.47
2"	272.35
3"	541.39
4"	844.05
6"	1,684.78
8"	3,029.95

(b) Consumption Rate (per cubic meter)

\$ 0.828 per cubic meter

(c) Minimum Bill

The minimum bill shall be the Base Charge.

2. PUBLIC FIRE PROTECTION RATE

The Town of Amherst and the Municipality of the County of Cumberland shall pay annually in proportion to the number of hydrants serving each municipality to the water utility for fire protection on or before September 30, 2022 the sum of \$829,844.

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	\$250.00
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Each building serviced by a sprinkler service pipe of 8" or more in diameter	\$300.00
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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 \$250.00.

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 \$60.00 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

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\$50.00 has been paid to the Utility. If reconnection is outside of regular working hours, the charge is \$150.00.

8. CONNECTION 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.

9. 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.

10. SPECIAL SERVICE CHARGE:

A special service charge of \$50.00 (\$150.00 if such work is performed after regular working hours) shall be made to each customer receiving a necessary or requested service, such as the shutting off or turning on of water service or other special services not provided for elsewhere in the schedules or the rules and regulations. In the case where the shutting off is requested because there is no operable shut off valve serving the dwelling, an isolation valve must be installed.

11. CHARGE FOR NON-NEGOTIABLE CHEQUES

The Utility may charge a \$25.00 administration fee plus any additional fees charged by the bank 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 \$25.00 for each visit if, in the judgment of the Utility, it is required.

13. RATE FOR BULK WATER

Bulk water will be provided to licensed water haulers at designated locations at a cost of \$3.16 per cubic meter or part thereof with a minimum charge of \$ 75.00. Such charge shall be rendered for each loading.

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SCHEDULE "B"
TOWN OF AMHERST
WATER UTILITY
SCHEDULE OF RATES FOR WATER AND WATER SERVICES

(Effective for water supplied on and after 1 April 2023)

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 1.0 % 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 Water Utility of the Town of Amherst.

1. **RATES:**

(a)	<u>Base Charges</u>	<u>Quarterly</u>
	Unmetered (assuming 253 cubic meters per year)	92.57
	Size of Meter	
	5/8"	38.18
	3/4"	55.55
	1"	90.31
	1.5"	177.20
	2"	281.47
	3"	559.53
	4"	872.34
	6"	1,741.25
	8"	3,131.52

(b)

Consumption Rate (per cubic meter)	
\$ 0.860	per cubic meter

(c) **Minimum Bill**

The minimum bill shall be the Base Charge.

2. PUBLIC FIRE PROTECTION RATE

The Town of Amherst and the Municipality of the County of Cumberland shall pay annually in proportion to the number of hydrants serving each municipality to the water utility for fire protection on or before September 30, 2023 the sum of \$843,004.

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	\$250.00
Each building serviced by a sprinkler service pipe of 8" or more in diameter	\$300.00

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 \$250.00.

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 \$60.00 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

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\$50.00 has been paid to the Utility. If reconnection is outside of regular working hours, the charge is \$150.00.

8. CONNECTION 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.

9. 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.

10. SPECIAL SERVICE CHARGE:

A special service charge of \$50.00 (\$150.00 if such work is performed after regular working hours) shall be made to each customer receiving a necessary or requested service, such as the shutting off or turning on of water service or other special services not provided for elsewhere in the schedules or the rules and regulations. In the case where the shutting off is requested because there is no operable shut off valve serving the dwelling, an isolation valve must be installed.

11. CHARGE FOR NON-NEGOTIABLE CHEQUES

The Utility may charge a \$25.00 administration fee plus any additional fees charged by the bank 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 \$25.00 for each visit if, in the judgment of the Utility, it is required.

13. RATE FOR BULK WATER

Bulk water will be provided to licensed water haulers at designated locations at a cost of \$3.26 per cubic meter or part thereof with a minimum charge of \$ 75.00. Such charge shall be rendered for each loading.

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SCHEDULE "C"
TOWN OF AMHERST
WATER UTILITY
SCHEDULE OF RATES FOR WATER AND WATER SERVICES

(Effective for water supplied on and after 1 April 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 1.0 % 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 Water Utility of the Town of Amherst.

1. **RATES:**

(a)	<u>Base Charges</u>	<u>Quarterly</u>
	Unmetered (assuming 252 cubic meters per year)	95.81
	Size of Meter	
	5/8"	39.49
	3/4"	57.48
	1"	93.45
	1.5"	183.40
	2"	291.33
	3"	579.15
	4"	902.95
	6"	1,802.39
	8"	3,241.49

(b)	Consumption Rate (per cubic meter)	
	\$ 0.894 per cubic meter	

(c) **Minimum Bill**

The minimum bill shall be the Base Charge.

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2. PUBLIC FIRE PROTECTION RATE

The Town of Amherst and the Municipality of the County of Cumberland shall pay annually in proportion to the number of hydrants serving each municipality to the water utility for fire protection on or before September 30, 2024 the sum of \$867,516.

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

(a) the sum of 47.8 % of transmission and distribution, taxes and depreciation expenses of the Utility and return on rate base 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	\$250.00
Each building serviced by a sprinkler service pipe of 8" or more in diameter	\$300.00

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 \$250.00.

6. RATES FOR WATER SUPPLIED FROM FIRE HYDRANTS

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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 \$60.00 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. CONNECTION 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.

9. 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.

10. SPECIAL SERVICE CHARGE:

A special service charge of \$50.00 (\$150.00 if such work is performed after regular working hours) shall be made to each customer receiving a necessary or requested service, such as the shutting off or turning on of water service or other special services not provided for elsewhere in the schedules or the rules and regulations. In the case where the shutting off is requested because there is no operable shut off valve serving the dwelling, an isolation valve must be installed.

11. CHARGE FOR NON-NEGOTIABLE CHEQUES

The Utility may charge a \$25.00 administration fee plus any additional fees charged by the bank 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

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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 \$25.00 for each visit if, in the judgment of the Utility, it is required.

13. RATE FOR BULK WATER

Bulk water will be provided to licensed water haulers at designated locations at a cost of \$3.38 per cubic meter or part thereof with a minimum charge of \$ 75.00. Such charge shall be rendered for each loading.

SCHEDULE D
RULES AND REGULATIONS

TOWN OF AMHJERST
WATER UTILITY

SCHEDULE OF RULES AND REGULATIONS
GOVERNING THE SUPPLY OF WATER AND WATER SERVICES
(Effective 1 April 2022)

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

“Town” means the Town of Amherst

“Utility” means the Water Utility of the Town of Amherst

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

“Municipality” means the Municipality of the County of Cumberland

“Domestic Service” means the type of service supplied to the owner or his 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.

“Flat Rate Service” means that type of unmetered service charged for by all flat rates.

“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 except mobile homes.

2. **LIABILITY FOR PAYMENT OF WATER BILL:** An agreement 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.

A property owner who rents or leases a property or self contained unit to a tenant or lessee shall be the customer. The property owner shall be required to open an account for the provision of water at the property that is 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 his liability to the utility in respect of such service, the deposit shall be returned to him 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 his liabilities to the Utility.
5. **BILLING:** If a 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.
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 - 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.

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:** The Utility may at any time install a meter on the premises of any customer. The 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 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 his 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 \$50.00 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 Town of Amherst 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 Town of Amherst 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, his agents or members of his 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 customer's sole cost and expense, to install at any point on the customer's 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 his employer, and the tester's license number.

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

(e) In the event of any breach, contravention or non-compliance by a person of any of the provisions and regulations in 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. **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.
21. **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.
22. **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.
23. **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 and paid for by the applicant. 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 his 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 Town 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.

24. **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 expense.

If a leak occurs on the customer's portion of his 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.

25. **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.

26. **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.
27. **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.
28. **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.
29. **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.
30. **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.
31. **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.
32. **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

Town of Amherst's Subdivision Regulations. All hydrants in the water system, including those on transmission mains, are available for fire protection.

33. **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.
34. **PRESSURE RELIEF VALVES:** Whenever a pressure reducing valve has been installed by a customer in accordance with Regulation 33, the customer shall, for his own safety and protection, install on his 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.
35. **EXTENSIONS:** Upon request of any owner or owners of property situated on any street or highway, in which a water main has not been laid, for the extension of water service thereto, such extension may be made upon execution of an agreement with the owner or owners on such terms and conditions as may be approved by the Utility and as approved by the Nova Scotia Utility and Review Board.
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. **NO RESELLING WATER:** The Utility shall supply water only to customers for which there exists a contract. Water resold to others without the expressed written consent of the Utility is prohibited. 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 the approval to resell is granted.
38. **WATER CONSERVATION DIRECTIVES:** The Utility may issue conservation of water directives to its customers, if in the opinion of the Utility, such directives are required to permit the Utility to provide reliable continuous water service to all customers served by the Utility. During such times as these directives are in force, customers who do not comply with the directives may have their water service suspended until such time as they agree to comply with the directive or upon suspension of the water conservation directive, whichever occurs first. Such customers shall be required to pay the Charge for Re-establishing Water Service as laid out in the approved Schedule of Rates for the Utility.

Comparison of Water Rates *

Average Consumption Rate in Cubic Meters	
42.0	METRIC CONVERTER
	9,240.00 Imperial Gallons
	42.0 Cubic Meters

*** NOTE: This Comparison Sheet May NOT be up to date**

Water Utility	\$ 5/8" fixed charge Quarterly	\$ Rate/1000 gal	\$ Rate/ cubic meter	\$ Quarterly Bill	Date Rates effective
New Minas, Village of	25.40	2.91	0.64	52.32	April 1, 2009
Digby, Town of	40.73	2.30	0.51	62.01	April 1, 2015
Kentville, Town of	32.67	3.29	0.72	63.11	April 1, 2016
Wolfville, Town of	37.51	3.45	0.76	69.43	April 1, 2019
Trenton	24.42	5.01	1.10	70.75	April 1, 2011
Amherst, Town of (Proposed)	36.95	3.76	0.83	71.73	April 1, 2022
Baddeck, Co. of Victoria - Village Comm.	46.79	3.50	0.77	79.13	April 1, 2013
Antigonish, Town of	53.57	2.94	0.65	80.77	April 1, 2021
Queens, Region of (Proposed)	38.90	5.18	1.14	86.78	April 1, 2022
Stellarton, Town of	44.96	4.62	1.02	87.70	April 1, 2008
Richmond County	38.31	5.93	1.31	93.33	April 1, 2021
Oxford, Town of	80.41	1.53	0.34	94.56	April 1, 2021
Inverness County	43.32	5.77	1.27	96.70	April 1, 2019
Port Williams, Village of	60.61	4.27	0.94	100.11	April 1, 2018
Canning, Village Commissioners of	52.05	5.52	1.22	103.12	April 1, 2013
Lawrencetown, The Village of	62.76	4.41	0.97	103.56	March 1, 2013
Truro, Town of	63.44	4.45	0.98	104.61	April 1, 2015
Combined Antigonish County Water Utility	59.37	5.40	1.19	109.33	October 1, 2020
Yarmouth, Town of	54.87	6.27	1.38	112.87	April 1, 2018
Pictou County	65.88	5.22	1.15	114.17	April 1, 2019
New Glasgow	59.23	6.64	1.46	120.55	April 1, 2017
Springhill, Town	69.15	5.60	1.23	120.96	April 1, 2017
Three Mile Plains, Wentworth, West Hants	46.06	8.17	1.80	121.64	July 1, 2019
Town of Westville - Proposed	51.13	7.63	1.68	121.69	July 1, 2021
Bridgewater Water Utility	68.13	6.14	1.35	124.96	April 1, 2018
Cape Breton Regional	63.71	6.90	1.52	127.55	April 1, 2019
Port Hawkesbury	67.75	6.85	1.51	131.12	April 1, 2016
Windsor, Town of	69.75	6.69	1.47	131.64	April 1, 2017
Lunenburg, Town of	86.62	5.00	1.10	132.88	April 1, 2018
Annapolis Royal, Town of	97.95	4.09	0.90	135.79	April 1, 2010
Middleton, Town of	87.44	5.40	1.19	137.42	April 1, 2019
Pictou, Town of	71.66	7.85	1.73	144.32	July 1, 2021
Parrsboro, Town of				150.00	April 1, 2019
St. Peter's, Samsonville & Area	97.96	6.31	1.39	156.34	April 1, 2019
Mill Cove Water Utility	78.06	8.97	1.98	161.04	April 1, 2010
East Hants Regional - Enfield, Elmsdale, Lantz	47.00	12.34	2.72	161.16	April 1, 2019
Greenwood (Mun. of the Co. of Kings)	67.95	10.36	2.28	163.79	April 1, 2016
West Hants Water Utility	62.25	11.14	2.45	165.31	July 1, 2019
Debert, Colchester County	90.78	9.20	2.03	175.89	April 1, 2013
Sherbrooke, District of St. Mary's	88.93	9.76	2.15	179.23	April 1, 2019
Canso - Hazel Hill Water	85.69	10.75	2.37	185.14	April 1, 2016
Stewiacke, Town of	66.87	13.09	2.88	187.97	April 1, 2021
Annapolis County - CP, Granville, Margareville	103.47	9.94	2.19	195.45	April 1, 2021
Bridgetown Water Utility	82.56	12.21	2.69	195.52	April 1, 2020
Shelburne	105.89	11.35	2.50	210.89	April 1, 2018
Tatamagouche, Colchester County	104.79	12.35	2.72	219.03	April 1, 2019
Mulgrave	136.98	10.88	2.40	237.78	April 1, 2018
Mahone Bay	119.58	15.80	3.48	265.75	April 1, 2021
Victoria County Water Utility	111.00	17.07	3.76	268.92	April 1, 2019

Median	65.88	6.27	1.38	127.55
Mean	68.31	7.15	1.58	137.69
High	136.98	15.80	3.48	268.92
Low	24.42	1.53	0.34	63.11
Updated	2021-02-18			