

Town of Pictou Water Utility
Water Rate Study

Prepared By

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in Association with

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**TOWN OF PICTOU WATER UTILITY
NOTES ON WORKSHEETS
SUPPLEMENTAL NOTES ON WORKSHEETS**

WORKSHEET B-1

The debt charges are increasing as a result of the ongoing replacement of water infrastructure as noted in Worksheet B-3. The Utility has a “balloon payment” of \$104,000 due in 2025/26 and would like to pay it off to allow for future borrowing for the current and projected need for capital works to replace aging infrastructure. The Utility is requesting Earnings in the final test year to pay off the existing deficit which is projected to increase in 2024/25 (Worksheet D-2) due to the anticipated effective date for new rates (July 1, 2024).

WORKSHEET B-5

Transmission mains in the system are used to deliver water from the wells to the Water Treatment Plant and do not deliver fire flows. Transmission mains have been allocated 90% to General Delivery and 10% to Fire Protection to reflect their limited use for fire protection. This allocation is consistent with the previous rate study.

WORKSHEET C-1

The fire protection rate in the Schedule A (2024/25) is based on one quarter at the current rates and three quarters at the rates calculated in the rate study

WORKSHEET C-3

Depreciation is allocated 90% to Base, 5% to Delivery and 5% to Production in 2024/25, 70% to Base, 15% to Delivery and 15% to Production in 2025/26, and 60% to Base, 20% to Delivery and 20% to Production in 2026/27 for rate design purposes. This allocation maintains projected revenue from the Base charge at 45% in 2024/25, 41% in 2025/26, and 39% in 2026/27. All of the other allocations on Worksheet C-3 follow the Handbook.

WORKSHEET C-4

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

WORKSHEET C-6

Consumption for 5/8 inch customers has declined since the previous rate study. The rate study includes a 0.5% per year reduction per year in consumption for 5/8 Inch customers.

WORKSHEET D-2

Revenue in 24/25 is based on one quarter at the current rates and three quarters at the rates calculated in the rate study.

GENERAL NOTES ON WORKSHEETS

Worksheet B-1

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

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

Operating Expenditures - The projection of expenses for the test years is as derived from Worksheet B-2a/2b/2c/2d/2e. The Depreciation has been calculated based on the addition of the planned infrastructure.

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

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

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

Worksheet B-2

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

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

This worksheet provides the breakdown of the estimated operating expenditures as provided by the Utility for the year 20/21. The projected expenditures for the years for 24/25, 25/26, and 26/27 are taken from information provided by the Utility and are based on projected budgets or an increase from the previous year based on 3% for inflation.

Worksheet B-3

This worksheet calculates the depreciation per year and the depreciation fund balance based on the proposed capital works for the years 23/24, 24/25, 25/26, and 26/27. The depreciation fund balance for the year 22/23 is taken from the Financial Statements.

Worksheet B-4

This worksheet is used for the projected capital contribution.

Worksheet B-5

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

Worksheet C-1

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

Worksheet C-2

This worksheet calculates the return on rate base

Worksheet C-3

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

Worksheet C-4

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

Worksheet C-5

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

Worksheet C-6

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

Worksheet C-7

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

Worksheet C-8

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

Worksheet D-1

This worksheet is a comparison of existing and proposed rates.

Worksheet D-2

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

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

	2022/23 (Actual)	2023/24 (Projected)	Projection Using Current Rates		
			2024/25 Test	2025/26 Test	2026/27 Test
OPERATING REVENUES					
Metered Rate Sales	1,047,012	1,060,836	1,089,820	1,092,719	1,095,619
Flat Rate Sales	23,267	3,987	4,145	4,145	4,145
Public Fire Protection	304,629	326,844	326,844	326,844	326,844
Other -Sprinklers	0	13,436	4,255	4,255	4,255
Total	1,374,908	1,405,103	1,425,064	1,427,963	1,430,863
OPERATING EXPENDITURES					
Source of Supply	317	17,414	17,936	18,475	19,029
Power and Pumping	106,280	143,932	169,837	178,970	188,653
Water Treatment	106,975	88,530	177,956	183,295	188,794
Transmission and Distribution	377,220	327,447	260,883	268,710	286,585
Administration and General	149,224	147,932	154,430	159,063	163,835
Depreciation	348,869	356,572	369,835	380,616	391,398
Taxes	84,761	105,454	118,454	131,454	144,454
Total	1,173,646	1,187,281	1,269,332	1,320,582	1,382,748
	0	0			
OPERATING PROFIT (LOSS)	201,262	217,822	155,732	107,381	48,115
			0		
NON-OPERATING REVENUES					
Interest	0	13,702	13,792	13,844	13,897
Amortization of Deferred Contributions	15,000	0	0	0	0
Other	5,530	0	0	0	0
Total	20,530	13,702	13,792	13,844	13,897
NON-OPERATING EXPENDITURES					
Debt Charges - Principal	257,944	257,944	257,944	361,744	247,544
Debt Charges - Interest	73,353	71,288	66,940	62,251	52,632
New Debt - Principal	0	4,176	4,427	4,693	4,974
New Debt - Interest	0	9,218	8,967	8,702	8,420
New Debt - Principal	0	0	9,841	10,431	11,057
New Debt - Interest	0	0	21,720	21,130	20,504
New Debt - Principal	0	0	0	8,074	8,558
New Debt - Interest	0	0	0	17,820	17,336
New Debt - Principal	0	0	0	0	7,394
New Debt - Interest	0	0	0	0	16,320
Interest on short term debt	0	0	0	0	0
Capital out of Revenue	0	0	0	0	0
Earnings	0	0	0	0	75,000
Total	331,297	342,626	369,839	494,844	469,739
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	-109,505	-111,102	-200,315	-373,619	-407,727
SURPLUS AT BEGINNING OF YEAR *	188,937	79,432	-31,670	-231,985	-605,604
ACCUMULATED SURPLUS (DEFICIT)	79,432	-31,670	-231,985	-605,604	-1,013,331

Town of Pictou Water Utility				
Statement of Operating Expenditures and Revenue Requirements				
	2023/24 (Estimated)	2024/25 Test	2025/26 Test	2026/27 Test
OPERATING EXPENDITURES				
Source of Supply	17,414	17,936	18,475	19,029
Power and Pumping	143,932	169,837	178,970	188,653
Water Treatment	88,530	177,956	183,295	188,794
Transmission and Distribution	327,447	260,883	268,710	286,585
Administration and General	147,932	154,430	159,063	163,835
Depreciation	356,572	369,835	380,616	391,398
Taxes	105,454	118,454	131,454	144,454
Total	1,187,281	1,269,332	1,320,582	1,382,748
NON OPERATING EXPENSES				
Debt Charges - Principal	257,944	257,944	361,744	247,544
Debt Charges - Interest	71,288	66,940	62,251	52,632
New Debt - Principal	4,176	4,427	4,693	4,974
New Debt - Interest	9,218	8,967	8,702	8,420
New Debt - Principal	0	9,841	10,431	11,057
New Debt - Interest	0	21,720	21,130	20,504
New Debt - Principal	0	0	8,074	8,558
New Debt - Interest	0	0	17,820	17,336
New Debt - Principal				7,394
New Debt - Interest				16,320
Interest on short term debt	0	0	0	0
Capital out of Revenue	0	0	0	0
Earnings	0	0	0	75,000
Total	342,626	369,839	494,844	469,739
LESS NON-OPERATING REVENUES				
Interest	13,702	13,792	13,844	13,897
Amortization of Deferred Contributions	0	0	0	0
Other	0	0	0	0
Total	13,702	13,792	13,844	13,897
LESS OTHER OPERATING REVENUE				
Other	13,436	4,255	4,255	4,255
Total	13,436	4,255	4,255	4,255
REVENUE REQUIRED FROM FIRE PROTECTION AND WATER CUSTOMERS				
	1,502,769	1,621,124	1,797,327	1,834,335

Town of Pictou Water Utility
Statement of Operating Expenditures

	2022/23 (Actual)	2023/24 (Estimated)	2024/25 Test	2025/26 Test	2026/27 Test
SOURCE OF SUPPLY					
Source of Supply	317	17,414	17,936	18,475	19,029
Other	0	0	0	0	0
TOTAL SOURCE OF SUPPLY	317	17,414	17,936	18,475	19,029
POWER AND PUMPING					
Supervision	14,077	15,281	15,739	16,212	16,698
Labour	0	17,293	17,812	18,346	18,897
Power	76,330	96,818	103,498	110,640	118,274
Maintenance of Structures and Equipment	5,463	28,313	29,162	30,037	30,938
Maintenance of Equipment	9,797	3,520	3,626	3,734	3,846
Other	613		0	0	0
TOTAL POWER AND PUMPING	106,280	161,225	169,837	178,970	188,653
WATER TREATMENT (Purification)					
Supervision	14,077	15,281	15,739	16,212	16,698
Labour	0	51,879	53,436	55,039	56,690
Supplies	5,187	4,570	4,707	4,848	4,994
Maintenance	17,415	26,040	26,821	27,626	28,455
Purification Water Sample	12,932	15,252	15,710	16,181	16,666
Purification Training	2,778	4,023	4,144	4,268	4,396
Central Treatment Chemicals	27,998	40,000	41,200	42,436	43,709
Central Treatment Power	13,107	0	0	0	0
Central Treatment Admin	1,410	703	724	746	768
Central Treatment telephone/internet	2,536	5,231	5,388	5,550	5,716
Central Treatment R&M	418	103	106	109	113
Other	9,117	9,691	9,982	10,281	10,590
TOTAL WATER TREATMENT	106,975	172,773	177,956	183,295	188,794

TRANSMISSION AND DISTRIBUTION					
Supervision	14,077	15,281	15,739	16,212	16,698
Labour	157,947	103,759	106,871	110,077	113,380
Distribution Standpipe	10,769	2,000	2,060	2,122	12,000
Maintenance of Mains	154,447	110,000	113,300	116,699	120,200
Meters	16,089	2,000	2,060	2,122	2,185
Other Maintenance	14,687	15,155	15,610	16,078	16,560
Fire Hydrant Maintenance	1,526	90	93	95	98
Shop Expense	5,200	5,000	5,150	5,305	5,464
Other	2,478	0	0	0	0
TOTAL TRANSMISSION AND DISTRIBUTION	377,220	253,285	260,883	268,710	286,585
ADMINISTRATION AND GENERAL					
Office Salaries	94,431	100,231	103,238	106,335	109,525
Uncollectable Accounts	8,966		0	0	0
Auditors	2,500	4,200	4,326	4,456	4,589
Legal	5,293	564	581	598	616
Regulatory Expenses	2,778	1,433	1,476	1,520	1,566
Insurance	17,882	20,522	21,138	21,772	22,425
Employee Training	2,139	2,000	2,060	2,122	2,185
Bank Charges	0	0	0	0	0
Office Supplies	993	1,768	1,821	1,876	1,932
Office Rent	10,000	10,000	10,300	10,609	10,927
Misc Expenses	-2,770	2,198	2,264	2,332	2,402
Other	7,012	7,016	7,226	7,443	7,667
TOTAL ADMINISTRATION AND GENERAL	149,224	149,932	154,430	159,063	163,835

17-Nov-23

Town of Pictou Water Utility					
Calculation of Depreciation of Tangible Plant at Total Cost					
2023/24					
	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation Rate in previous year	348,869
LAND AND LAND RIGHTS					
Source of Supply Land	0				0
Land - General					0
STRUCTURES AND IMPROVEMENTS					0
Source of Supply Structures Flood Study	0		0	0.02	0
Power and Pumping Structures	0		0	0.04	0
Purification	0		0	0.05	0
Distribution Reservoirs and Standpipes	0	0	0	0.05	0
Water Treatment Plant	0	0	0	0.02	0
Other	0	0	0	0.0333	0
Other - Well Head Upgrades	25,000	0	25,000	0.05	1,250
Equipment			0		0
Electrical Pumping	0	0	0	0.05	0
Purification Equipment	10,000	0	10,000	0.05	500
Office Furniture and Equipment	0		0		0
Transportation Equipment	0	0	0	0.1	0
Tools and Work Equipment	0		0	0.1	0
Software / Scada system	0	0	0	0.1333	0
Control and Monitoring equipment	0	0	0	0.05	0
Digital Mapping	0	0	0	0	0
Generator	0	0	0	0.025	0
Mains		0	0		0
Transmission	0	0	0	0.0133	0
Distribution	400,000	51,371	348,629	0.0133	5,320
Meters	10,000	0	10,000	0.05	500
Hydrants	10,000	0	10,000	0.0133	133
Sprinkler Connections	0	0	0		0
Services	0	0	0	0.02	0
Other - Water Rate Study	0	0	0	0.333	0
TOTAL	455,000	51,371	403,629		7,703
Source of Funding					
				Depreciation Fund Balance beginning of year	606
Funding from Grants	51,371			Interest on Fund balance	9
Depreciation fund	250,000			Fund balance before expenditures	615
Long Term Debt	153,629			Transfer from Depreciation	-250,000
Capital out of revenue	0			Contribution during the year	356,572
				Balance after Expenditure	107,187
TOTAL	455,000				

Town of Pictou Water Utility
Calculation of Depreciation of Tangible Plant at Total Cost
2024/25

	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation Rate in previous year	356,572
LAND AND LAND RIGHTS					
Source of Supply Land	0		0		0
Land - General			0		0
STRUCTURES AND IMPROVEMENTS			0		0
Source of Supply Structures Flood Study	0		0	0.01333	0
Power and Pumping Structures	0		0	0.04	0
Purification	0		0	0.05	0
Distribution Reservoirs and Standpipes	0	0	0	0.02	0
Water Treatment Plant	0	0	0	0.05	0
Well	0	0	0	0.03333	0
Other - Well Head Upgrades	75,000		75,000	0.05	3,750
Equipment	0		0		0
Electrical Pumping	0	0	0	0.05	0
Purification Equipment	10,000	0	10,000	0.05	500
Office Furniture and Equipment	0		0	0.1	0
Transportation Equipment	0	0	0	0.1	0
Tools and Work Equipment	0		0	0.1	0
Software / computers	0		0		0
Control and Monitoring equipment	0	0	0	0	0
Digital Mapping	0	0	0	0.1	0
Surge tank	0		0	0.02	0
Mains					
Transmission	0	0	0	0.0133	0
Distribution	600,000	0	600,000	0.0133	7,980
Meters	12,000	0	12,000	0.05	600
Hydrants	10,000	0	10,000	0.0133	133
Sprinkler Connections	0	0	0		0
Services	15,000	0	15,000	0.02	300
Other	0	0	0	0.333	0
TOTAL	722,000	0	722,000	1	13,263
Source of Funding					
				Depreciation Fund Balance beginning of year	107,187
Funding from Grants	0			Interest on Fund balance	1,608
Depreciation fund	360,000			Fund balance before expenditures	108,795
Long Term Debt	362,000			Transfer from Depreciation	-360,000
Capital out of revenue	0			Contribution during the year	369,835
TOTAL	722,000			Balance after Expenditure	118,630

Town of Pictou Water Utility
Calculation of Depreciation of Tangible Plant at Total Cost
2025/26

	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
			Depreciation Rate in previous year		369,835
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 Flood Study	0	0	0	0.01333	0
Power and Pumping Structures	0	0	0	0.04	0
Purification	0	0	0	0	0
Distribution Reservoirs and Standpipes	0	0	0	0.0133	0
Water Treatment Plant	0	0	0	0.05	0
Test Well	0	0	0	0.04	0
Other - Well Head Upgrades	25,000	0	25,000	0.05	1,250
Equipment		0	0		0
Electrical Pumping	0	0	0	0.05	0
Purification Equipment	10,000	0	10,000	0.05	500
Office Furniture and Equipment	0	0	0	0.05	0
Transportation Equipment		0	0	0	0
Tools and Work Equipment	0	0	0	0.1	0
Software / computers	0	0	0	0.1	0
Control and Monitoring equipment		0	0		0
Digital Mapping	0	0	0	0	0
Surge Tank	0	0	0	0.02	0
Mains		0	0		0
Transmission	0	0	0	0.01333	0
Distribution	600,000	0	600,000	0.01333	7,998
Meters	12,000	0	12,000	0.05	600
Hydrants	10,000	0	10,000	0.01333	133
Sprinkler Connections			0		0
Services	15,000	0	15,000	0.02	300
Other	0		0	0.02	0
TOTAL	672,000	0	672,000		10,781
Source of Funding					
Funding from Grants	0		Depreciation Fund Balance beginning of year		118,630
Depreciation fund	375,000		Interest on Fund balance		1,779
Long Term Debt	297,000		Fund balance before expenditures		120,409
Capital out of revenue	0		Transfer from Depreciation		-375,000
TOTAL	672,000		Contribution during the year		380,616
			Balance after Expenditure		126,026

Town of Pictou Water Utility
Calculation of Depreciation of Tangible Plant at Total Cost
2026/27

	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation Rate in previous year	380,616
LAND AND LAND RIGHTS					
Source of Supply Land	0		0		0
Land - General			0		0
STRUCTURES AND IMPROVEMENTS			0		0
Source of Supply Structures Flood Study	0		0	0.01333	0
Power and Pumping Structures	0		0	0.04	0
Purification	10,000		10,000	0.05	500
Distribution Reservoirs and Standpipes	0	0	0	0.1	0
Water Treatment Plant	0		0	0.05	0
Test Well	0	0	0	0.04	0
Other - Well Head Upgrades	25,000	0	25,000	0.05	1,250
Equipment			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		0	0	0.1	0
Tools and Work Equipment	0		0	0.1	0
Software / computers	0		0	0.2	0
Control and Monitoring equipment			0		0
Digital Mapping	0	0	0	0.05	0
Generator	0		0		0
Mains			0		0
Transmission	0		0	0.01333	0
Distribution	600,000	0	600,000	0.01333	7,998
Meters	12,000		12,000	0.05	600
Hydrants	10,000		10,000	0.01333	133
Sprinkler Connections			0		0
Services	15,000	0	15,000	0.02	300
Other	0				0
TOTAL	672,000	0	672,000	1	10,781
Source of Funding					
			Depreciation Fund Balance beginning of year		126,026
Funding from Grants	0		Interest on Fund balance		1,890
Depreciation fund	400,000		Fund balance before expenditures		127,916
Long Term Debt	272,000		Transfer from Depreciation		-400,000
Capital out of revenue	0		Contribution during the year		391,398
TOTAL	672,000		Balance after Expenditure		119,314

Town of Pictou Water Utility			
Calculation of Amortization on Capital Contributions (to Plant)			
2023/24			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.000	0
Land - General	0	0.000	0
STRUCTURES AND IMPROVEMENTS	0	0.000	0
Source of Supply Structures Flood Study	0	0.020	0
Power and Pumping Structures	0	0.040	0
Purification	0	0.050	0
Distribution Reservoirs and Standpipes	0	0.050	0
Water Treatment Plant	0	0.020	0
Test Well	0	0.033	0
Other	0	0.050	0
Equipment	0	0.000	0
Electrical Pumping	0	0.050	0
Purification Equipment	0	0.050	0
Office Furniture and Equipment	0	0.000	0
Transportation Equipment	0	0.100	0
Tools and Work Equipment	0	0.100	0
Software / Scada system	0	0.133	0
Control and Monitoring equipment	0	0.050	0
Digital Mapping	0	0.000	0
Generator	0	0.025	0
Mains	0	0.000	0
Transmission	0	0.013	0
Distribution	51,371	0.013	683
Meters	0	0.050	0
Hydrants	0	0.013	0
Sprinkler Connections	0	0.000	0
Services	0	0.020	0
Other	0	0.333	0
TOTAL	51,371		683

Town of Pictou Water Utility Calculation of Amortization on Capital Contributions (to Plant) 2024/25			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS		-	0
Source of Supply Land	0	-	0
Land - General	0	-	0
STRUCTURES AND IMPROVEMENTS	0	0.013	0
Source of Supply Structures Flood Study	0	0.040	0
Power and Pumping Structures	0	0.050	0
Purification	0	0.020	0
Distribution Reservoirs and Standpipes	0	0.050	0
Water Treatment Plant	0	0.050	0
Test Well	0	0.050	0
Other	0	-	0
Equipment	0	0.050	0
Electrical Pumping	0	0.050	0
Purification Equipment	0	0.100	0
Office Furniture and Equipment	0	0.100	0
Transportation Equipment	0	0.100	0
Tools and Work Equipment	0	-	0
Software / computers	0	-	0
Control and Monitoring equipment	0	-	0
Digital Mapping	0	0.100	0
Surge tank	0	0.020	0
Mains			0
Transmission	0	0.013	0
Distribution	0	0.0133	0
Meters	0	0.050	0
Hydrants	0	0.013	0
Sprinkler Connections	0	-	0
Services	0	0.020	0
Other	0	-	0
TOTAL	0		0

Town of Pictou Water Utility
Calculation of Amortization on Capital Contributions (to Plant)
2025/26

	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.00	0
Land - General	0	0.00	0
STRUCTURES AND IMPROVEMENTS	0	0.00	0
Source of Supply Structures Flood Study	0	0.01	0
Power and Pumping Structures	0	0.04	0
Purification	0	0.00	0
Distribution Reservoirs and Standpipes	0	0.0133	0
Water Treatment Plant	0	0.05	0
Test Well	0	0.04	0
Other	0	0.05	0
Equipment	0	0.00	0
Electrical Pumping	0	0.05	0
Purification Equipment	0	0.05	0
Office Furniture and Equipment	0	0.05	0
Transportation Equipment	0	0.00	0
Tools and Work Equipment	0	0.10	0
Software / computers	0	0.10	0
Control and Monitoring equipment	0	0.00	0
Digital Mapping	0	0.00	0
Surge tank	0	0.02	0
Mains	0		0
Transmission	0	0.0133	0
Distribution	0	0.0133	0
Meters	0	0.01	0
Hydrants	0	0.05	0
Sprinkler Connections	0	0.01	0
Services	0	0.00	0
Other	0	0.02	0
TOTAL	0		0

Town of Pictou Water Utility
Calculation of Amortization on Capital Contributions (to Plant)
2026/27

	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.00	0
Land - General	0	0.00	0
STRUCTURES AND IMPROVEMENTS	0	0.00	0
Source of Supply Structures Flood Study	0	0.01	0
Power and Pumping Structures	0	0.04	0
Purification	0	0.05	0
Distribution Reservoirs and Standpipes	0	0.10	0
Water Treatment Plant	0	0.05	0
Test Well	0	0.04	0
Other	0	0.05	0
Equipment	0	0.00	0
Electrical Pumping	0	0.05	0
Purification Equipment	0	0.05	0
Office Furniture and Equipment	0	0.00	0
Transportation Equipment	0	0.10	0
Tools and Work Equipment	0	0.10	0
Software / Scada system	0	0.20	0
Control and Monitoring equipment	0	0.00	0
Digital Mapping	0	0.05	0
Generator	0	0.00	0
Mains	0	0.00	0
Transmission	0	0.0133	0
Distribution	0	0.0133	0
Meters	0	0.05	0
Hydrants	0	0.01	0
Sprinkler Connections	0	0.00	0
Services	0	0.02	0
Other	0	0.00	0
TOTAL	0		0

<p style="text-align: center;">Town of Pictou Water Utility Allocation of the Total Cost of Utility Plant in Service Between General Service and Fire Protection 2023/24</p>							
	Utility Plant in Service Previous Year	Additions	Utility Plant in Service	Percent	General Service	Percent	Fire Protection
Intangible Plant							
Organization and Working Capital	24,000		24,000	100.0%	24,000	0.0%	0
Tangible Plant							
LAND AND LAND RIGHTS	-		-				
Source of Supply Land	307,976	-	307,976	90.0%	277,178	10.0%	30,798
Land - General	381,546	-	381,546	90.0%	343,391	10.0%	38,155
STRUCTURES AND IMPROVEMENTS	-	-	-		0		0
Structures and Improvements	-	-	-	90.0%	0	10.0%	0
Power and Pumping Structures	4,642,340	-	4,642,340	90.0%	4,178,106	10.0%	464,234
Purification	-	-	-	90.0%	0	10.0%	0
Distribution Reservoirs and Standpipes	1,207,938	-	1,207,938	40.0%	483,175	60.0%	724,763
Water Treatment Plant	-	-	-	90.0%	0	10.0%	0
General Improvements	-	-	-	90.0%	0	10.0%	0
Wells	1,124,190	-	1,124,190	90.0%	1,011,771	10.0%	112,419
Other - Well Head Upgrades	-	25,000	25,000	90.0%	22,500	10.0%	2,500
Equipment	-		-		0		0
Electrical Pumping	708,540	-	708,540	90.0%	637,686	10.0%	70,854
Purification Equipment	1,367,475	10,000	1,377,475	90.0%	1,239,728	10.0%	137,748
Office Furniture and Equipment	-	-	-	90.0%	0	10.0%	0
Transportation Equipment	60,119	-	60,119	90.0%	54,107	10.0%	6,012
Tools and Work Equipment	-	-	-	90.0%	0	10.0%	0
Software / computers	-	-	-	90.0%	0	10.0%	0
Control and Monitoring equipment	-	-	-	90.0%	0	10.0%	0
Digital Mapping	-	-	-	90.0%	0	10.0%	0
Surge Tank	-	-	-	90.0%	0	10.0%	0
Mains	-		-		0		0
Transmission	493,534	-	493,534	90.0%	444,181	10.0%	49,353
Distribution	4,111,451	400,000	4,511,451	40.0%	1,804,580	60.0%	2,706,871
Meters	691,233	10,000	701,233	100.0%	701,233	0.0%	0
Hydrants	135,887	10,000	145,887	0.0%	0	100.0%	145,887
Sprinkler Connections	-	-	-	0.0%	0	100.0%	0
Services	82,147	-	82,147	100.0%	82,147	0.0%	0
Other	-	-	-	90.0%	0	10.0%	0
TOTAL	15,338,376	455,000	15,793,376	71.6%	11,303,784	28.4%	4,489,592

Town of Pictou 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	24,000	-	24,000	100.0%	24,000	0.0%	0
Tangible Plant							
LAND AND LAND RIGHTS							
Source of Supply Land	307,976	-	307,976	90.0%	277,178	10.0%	30,798
Land - General	381,546	-	381,546	90.0%	343,391	10.0%	38,155
STRUCTURES AND IMPROVEMENTS							
Source of Supply Structures Flood Study	-	-	-	90.0%	0	10.0%	0
Power and Pumping Structures	4,642,340	-	4,642,340	90.0%	4,178,106	10.0%	464,234
Purification	-	-	-	90.0%	0	10.0%	0
Distribution Reservoirs and Standpipes	1,207,938	-	1,207,938	40.0%	483,175	60.0%	724,763
Water Treatment Plant	-	-	-	90.0%	0	10.0%	0
General Improvements	-	-	-	90.0%	0	10.0%	0
Wells	1,124,190	-	1,124,190	90.0%	1,011,771	10.0%	112,419
Other - Well Head Upgrades	25,000	75,000	100,000	90.0%	90,000	10.0%	10,000
Equipment							
Electrical Pumping	708,540	-	708,540	90.0%	637,686	10.0%	70,854
Purification Equipment	1,377,475	10,000	1,387,475	90.0%	1,248,728	10.0%	138,748
Office Furniture and Equipment	-	-	-	90.0%	0	10.0%	0
Transportation Equipment	60,119	-	60,119	90.0%	54,107	10.0%	6,012
Tools and Work Equipment	-	-	-	90.0%	0	10.0%	0
Software / computers	-	-	-	90.0%	0	10.0%	0
Control and Monitoring equipment	-	-	-	90.0%	0	10.0%	0
Digital Mapping	-	-	-	90.0%	0	10.0%	0
Surge Tank	-	-	-	90.0%	0	10.0%	0
Mains							
Transmission	493,534	-	493,534	90.0%	444,181	10.0%	49,353
Distribution	4,511,451	600,000	5,111,451	40.0%	2,044,580	60.0%	3,066,871
Meters	701,233	12,000	713,233	100.0%	713,233	0.0%	0
Hydrants	145,887	10,000	155,887	0.0%	0	100.0%	155,887
Sprinkler Connections	-	-	-	0.0%	0	100.0%	0
Services	82,147	15,000	97,147	100.0%	97,147	0.0%	0
Other	-	-	-	90.0%	0	10.0%	0
TOTAL	15,793,376	722,000	16,515,376	70.5%	11,647,284	29.5%	4,868,092

Town of Pictou Water Utility Allocation of the Total Cost of Utility Plant in Service Between General Service and Fire Protection 2025/26							
	Utility Plant in Service Previous Year	Additions	Utility Plant in Service	Percent	General Service	Percent	Fire Protection
Intangible Plant							
Organization and Working Capital	24,000		24,000	100.0%	24,000	0.0%	0
Tangible Plant							
LAND AND LAND RIGHTS							
Source of Supply Land	307,976	0	307,976	90.0%	277,178	10.0%	30,798
Land - General	381,546	0	381,546	90.0%	343,391	10.0%	38,155
STRUCTURES AND IMPROVEMENTS							
Source of Supply Structures Flood Study	-	0	-	90.0%	0	10.0%	0
Power and Pumping Structures	4,642,340	0	4,642,340	90.0%	4,178,106	10.0%	464,234
Purification	-	0	-	90.0%	0	10.0%	0
Distribution Reservoirs and Standpipes	1,207,938	0	1,207,938	40.0%	483,175	60.0%	724,763
Water Treatment Plant	-	0	-	90.0%	0	10.0%	0
General Improvements	-	0	-	90.0%	0	10.0%	0
Wells	1,124,190	0	1,124,190	90.0%	1,011,771	10.0%	112,419
Other - Well Head Upgrades	100,000	25,000	125,000	90.0%	112,500	10.0%	12,500
Equipment							
Electrical Pumping	708,540	0	708,540	90.0%	637,686	10.0%	70,854
Purification Equipment	1,387,475	10,000	1,397,475	90.0%	1,257,728	10.0%	139,748
Office Furniture and Equipment	-	0	-	90.0%	0	10.0%	0
Transportation Equipment	60,119	0	60,119	90.0%	54,107	10.0%	6,012
Tools and Work Equipment	-	0	-	90.0%	0	10.0%	0
Software / computers	-	0	-	90.0%	0	10.0%	0
Control and Monitoring equipment	-	0	-	90.0%	0	10.0%	0
Digital Mapping	-	0	-	90.0%	0	10.0%	0
Surge Tank	-	0	-	90.0%	0	10.0%	0
Mains							
Transmission	493,534	0	493,534	90.0%	444,181	10.0%	49,353
Distribution	5,111,451	600,000	5,711,451	40.0%	2,284,580	60.0%	3,426,871
Meters							
	713,233	12,000	725,233	100.0%	725,233	0.0%	0
Hydrants							
	155,887	10,000	165,887	0.0%	0	100.0%	165,887
Sprinkler Connections	-	0	-	0.0%	0	100.0%	0
Services							
	97,147	15,000	112,147	100.0%	112,147	0.0%	0
Other							
	-	0	-	90.0%	0	10.0%	0
TOTAL	16,515,376	672,000	17,187,376	69.5%	11,945,784	30.5%	5,241,592

Town of Pictou Water Utility Allocation of the Total Cost of Utility Plant in Service Between General Service and Fire Protection 2026/27							
	Utility Plant in Service Previous Year	Additions	Utility Plant in Service	Percent	General Service	Percent	Fire Protection
Intangible Plant							
Organization and Working Capital	24,000		24,000	100.0%	24,000	0.0%	0
Tangible Plant							
LAND AND LAND RIGHTS							
Source of Supply Land	307,976	0	307,976	90.0%	277,178	10.0%	30,798
Land - General	381,546	0	381,546	90.0%	343,391	10.0%	38,155
STRUCTURES AND IMPROVEMENTS							
Source of Supply Structures Flood Study	-	0	-	90.0%	0	10.0%	0
Power and Pumping Structures	4,642,340	0	4,642,340	90.0%	4,178,106	10.0%	464,234
Purification	-	10,000	10,000	90.0%	9,000	10.0%	1,000
Distribution Reservoirs and Standpipes	1,207,938	0	1,207,938	40.0%	483,175	60.0%	724,763
Water Treatment Plant	-	0	-	90.0%	0	10.0%	0
General improvements	-	-	-	90.0%	0	10.0%	0
Wells	1,124,190	0	1,124,190	90.0%	1,011,771	10.0%	112,419
Other - Well Head Upgrades	125,000	25,000	150,000	90.0%	135,000	10.0%	15,000
Equipment							
Electrical Pumping	708,540	0	708,540	90.0%	637,686	10.0%	70,854
Purification Equipment	1,397,475	0	1,397,475	90.0%	1,257,728	10.0%	139,748
Office Furniture and Equipment	-	0	-	90.0%	0	10.0%	0
Transportation Equipment	60,119	0	60,119	90.0%	54,107	10.0%	6,012
Tools and Work Equipment	-	0	-	90.0%	0	10.0%	0
Software / computers	-	0	-	90.0%	0	10.0%	0
Control and Monitoring equipment	-	0	-	90.0%	0	10.0%	0
Digital Mapping	-	0	-	90.0%	0	10.0%	0
Generator	-	0	-	90.0%	0	10.0%	0
Mains							
Transmission	493,534	0	493,534	90.0%	444,181	10.0%	49,353
Distribution	5,711,451	600,000	6,311,451	40.0%	2,524,580	60.0%	3,786,871
Meters	725,233	12,000	737,233	100.0%	737,233	0.0%	0
Hydrants	165,887	10,000	175,887	0.0%	0	100.0%	175,887
Sprinkler Connections	-	0	-	0.0%	0	100.0%	0
Services	112,147	15,000	127,147	100.0%	127,147	0.0%	0
Other	-	0	-	90.0%	0	10.0%	0
TOTAL	17,187,376	672,000	17,859,376	68.6%	12,244,284	31.4%	5,615,092

Worksheet C-1

17-Nov-23

Town of Pictou Water Utility Allocation of Fire Protection Charges Projected Expenses for 2024/25			
	Estimated Expenses	PerCent Allocation to fire Protection	Fire Protection Charge
Source of Supply	17,936	10.0%	1,794
Power and Pumping	169,837	10.0%	16,984
Water Treatment	177,956	10.0%	17,796
Transmission and Distribution	260,883	29.5%	76,898
Adminstration and General	154,430	10.0%	15,443
Depreciation	369,835	29.5%	109,013
Taxes	118,454	29.5%	34,916
Return on Rate Base	351,792	29.5%	103,695
Total	1,621,124	23.2%	376,538

Town of Pictou Water Utility Allocation of Fire Protection Charges Projected Expenses for Year 2025/26			
	Estimated Expenses	PerCent Allocation to fire Protection	Fire Protection Charge
Source of Supply	18,475	10.0%	1,847
Power and Pumping	178,970	10.0%	17,897
Water Treatment	183,295	10.0%	18,330
Transmission and Distribution	268,710	30.5%	81,948
Adminstration and General	159,063	10.0%	15,906
Depreciation	380,616	30.5%	116,076
Taxes	131,454	30.5%	40,089
Return on Rate Base	476,745	30.5%	145,392
Total	1,797,327	24.3%	437,484

Town of Pictou Water Utility Allocation of Fire Protection Charges Projected Expenses for Year 2026/27			
	Estimated Expenses	PerCent Allocation to fire Protection	Fire Protection Charge
Source of Supply	19,029	10.0%	1,903
Power and Pumping	188,653	10.0%	18,865
Water Treatment	188,794	10.0%	18,879
Transmission and Distribution	286,585	31.4%	90,104
Adminstration and General	163,835	10.0%	16,383
Depreciation	391,398	31.4%	123,058
Taxes	144,454	31.4%	45,417
Return on Rate Base	451,587	31.4%	141,982
Total	1,834,335	24.9%	456,592

Town of Pictou Water Utility				
Calculation of rate Base and required Return on rate Base				
Years Ending March 31st				
	2023/24	2024/25	2025/26	2026/27
	(Estimate)	Test	Test	Test
RATE BASE				
Utility plant in Service March 31st	15,793,376	16,515,376	17,187,376	17,859,376
Less Accumulated Depreciaton on actual cost of plant in service (Estimated)	(3,278,440)	(3,648,275)	(4,028,891)	(4,420,289)
Less unamortized amount of capital contribution for plant in service	(4,368,652)	(4,272,902)	(4,177,151)	(4,081,401)
Estimated Rate Base at Year End	8,146,284	8,594,199	8,981,333	9,357,686
REQUIRED RETURN				
Non-operating Expenditures (B-2)	342,626	369,839	494,844	469,739
Less Non-operating Revenue	(13,702)	(13,792)	(13,844)	(13,897)
Less Other Non-operating Revenue (B-2)	(13,436)	(4,255)	(4,255)	(4,255)
Return on Rate Base	315,488	351,792	476,745	451,587
Required Rate of Return (Req'd Return/Est Rate Base)	3.87%	4.09%	5.31%	4.83%

Town of Pictou 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	17,936	1,794	16,143						100%	16,143
Power and Pumping	169,837	16,984	152,854						100%	152,854
Water Treatment	177,956	17,796	160,161						100%	160,161
Transmission and Distribution	260,883	76,898	183,985			0%	0	100%	183,985	
Administration and General	154,430	15,443	138,987	10%	13,899	90%	125,088	0%	0	
Depreciation	369,835	109,013	260,822			90%	234,740	5%	13,041	5%
Taxes	118,454	34,916	83,538			100%	83,538			
Return on Rate Base	351,792	103,695	248,097			40%	99,239	30%	74,429	30%
SUBTOTAL	1,621,124	376,538	1,244,587		13,899		542,605		271,455	416,628
TOTAL	1,621,124	376,538	1,244,587		13,899		542,605		271,455	416,628

Town of Pictou Water Utility										
Calculation of Revenue Required for Each Billing/Cost Category										
2025/26										
	Total Revenue Required	Fire Protection Revenue	Revenue Required from Metered Rates	Charge			Commodity Charge			
				Customer	Base		Delivery	Production		
Source of Supply	18,475	1,847	16,627						100%	16,627
Power and Pumping	178,970	17,897	161,073						100%	161,073
Water Treatment	183,295	18,330	164,966						100%	164,966
Transmission and Distribution	268,710	81,948	186,762			0%	0	100%	186,762	
Administration and General	159,063	15,906	143,157	10%	14,316	90%	128,841	0%	0	
Depreciation	380,616	116,076	264,541			70%	185,178	15%	39,681	15%
Taxes	131,454	40,089	91,365			100%	91,365			
Return on Rate Base	476,745	145,392	331,353			40%	132,541	30%	99,406	30%
SUBTOTAL	1,797,327	437,484	1,359,842		14,316		537,925		325,849	481,752
TOTAL	1,797,327	437,484	1,359,842		14,316		537,925		325,849	481,752

Town of Pictou Water Utility										
Calculation of Revenue Required for Each Billing/Cost Category										
2026/27										
	Total Revenue Required	Fire Protection Revenue	Revenue Required from Metered Rates	Charge			Commodity Charge			
				Customer	Base		Delivery	Production		
Source of Supply	19,029	1,903	17,126						100%	17,126
Power and Pumping	188,653	18,865	169,788						100%	169,788
Water Treatment	188,794	18,879	169,915						100%	169,915
Transmission and Distribution	286,585	90,104	196,481			0%	0	100%	196,481	
Administration and General	163,835	16,383	147,451	10%	14,745	90%	132,706	0%	0	
Depreciation	391,398	123,058	268,340			60%	161,004	20%	53,668	20%
Taxes	144,454	45,417	99,037			100%	99,037			
Return on Rate Base	451,587	141,982	309,605			40%	123,842	30%	92,882	30%
SUBTOTAL	1,834,335	456,592	1,377,743		14,745		516,589		343,031	503,378
TOTAL	1,834,335	456,592	1,377,743		14,745		516,589		343,031	503,378

Town of Pictou Water Utility Service Connections and Equivalents 2023/24			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	5	1	5
5/8"	1277	1	1,277
3/4"	61	1.5	92
1"	46	2.5	115
1.5"	17	5	85
2"	9	8	72
3"	4	16	64
4"	0	25	0
6"	1	50	50
8"	0	90	0
TOTAL	1420		1,760

Town of Pictou Water Utility Service Connections and Equivalents 2024/25			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	5	1	5
5/8"	1277	1	1,277
3/4"	61	1.5	92
1"	46	2.5	115
1.5"	17	5	85
2"	9	8	72
3"	4	16	64
4"	0	25	0
6"	1	50	50
8"	0	90	0
TOTAL	1420		1,760

Town of Pictou Water Utility
Service Connections and Equivalents
2025/26

Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	5	1	5
5/8"	1282	1	1,282
3/4"	61	1.5	92
1"	46	2.5	115
1.5"	17	5	85
2"	9	8	72
3"	4	16	64
4"	0	25	0
6"	1	50	50
8"	0	90	0
TOTAL	1425		1,765

Town of Pictou Water Utility
Service Connections and Equivalents
2026/27

Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	5	1	5
5/8"	1287	1	1,287
3/4"	61	1.5	92
1"	46	2.5	115
1.5"	17	5	85
2"	9	8	72
3"	4	16	64
4"	0	25	0
6"	1	50	50
8"	0	90	0
TOTAL	1430		1,770

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17-Nov-23

Town of Pictou Water Utility Service Connections and Equivalents 2024/25					
Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	308.39	9.79	318.17	79.54
5/8"	1	308.39	9.79	318.17	79.54
3/4"	1.5	462.58	9.79	472.37	118.09
1"	2.5	770.97	9.79	780.75	195.19
1.5"	5	1,541.93	9.79	1,551.72	387.93
2"	8	2,467.09	9.79	2,476.88	619.22
3"	16	4,934.18	9.79	4,943.97	1,235.99
4"	25	7,709.65	9.79	7,719.44	1,929.86
6"	50	15,419.30	9.79	15,429.09	3,857.27
8"	90	27,754.75	9.79	27,764.54	6,941.13
TOTAL					

Town of Pictou Water Utility Service Connections and Equivalents 2025/26					
Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	304.86	10.05	314.91	78.73
5/8"	1	304.86	10.05	314.91	78.73
3/4"	1.5	457.29	10.05	467.34	116.83
1"	2.5	762.15	10.05	772.20	193.05
1.5"	5	1,524.30	10.05	1,534.35	383.59
2"	8	2,438.88	10.05	2,448.93	612.23
3"	16	4,877.76	10.05	4,887.81	1,221.95
4"	25	7,621.50	10.05	7,631.54	1,907.89
6"	50	15,243.00	10.05	15,253.04	3,813.26
8"	90	27,437.40	10.05	27,447.44	6,861.86
TOTAL					

Town of Pictou Water Utility Service Connections and Equivalents 2026/27					
Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	291.94	10.31	302.25	75.56
5/8"	1	291.94	10.31	302.25	75.56
3/4"	1.5	437.91	10.31	448.22	112.06
1"	2.5	729.85	10.31	740.16	185.04
1.5"	5	1,459.70	10.31	1,470.01	367.50
2"	8	2,335.53	10.31	2,345.84	586.46
3"	16	4,671.05	10.31	4,681.36	1,170.34
4"	25	7,298.52	10.31	7,308.83	1,827.21
6"	50	14,597.03	10.31	14,607.35	3,651.84
8"	90	26,274.66	10.31	26,284.97	6,571.24
TOTAL					

Worksheet C-6

17-Nov-23

Town of Pictou Water Utility Water Consumption by Block		
Meter Size	2023/24	2024/25
	Current Consumption	Consumption
	1st Block	1st Block
	Cubic Meters	Cubic Meters
Unmetered	1,360	1,360
5/8"	177,986	177,096
3/4"	21,598	21,598
1"	27,655	27,655
1.5"	15,605	15,605
2"	17,861	17,861
3"	9,741	9,741
4"	-	0
6"	13,105	13,105
8"		0
TOTAL	284,911	284,021

Town of Pictou Water Utility Water Consumption by Block		
Meter Size	2025/26	2026/27
	Consumption	Consumption
	1st Block	1st Block
	Cubic Meters	Cubic Meters
Unmetered	1,360	1,360
5/8"	177,794	177,598
3/4"	21,598	21,598
1"	27,655	27,655
1.5"	15,605	15,605
2"	17,861	17,861
3"	9,741	9,741
4"	0	0
6"	13,105	13,105
8"	0	0
TOTAL	284,719	284,523

Town of Pictou Water Utility Calculation of Consumption Charge 2024/25	
NET PRODUCTION EXPENSE	BLOCK 1
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	1.47
NET DELIVERY EXPENSES	
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.96
TOTAL CONSUMPTION CHARGE PER Cubic Meter	2.42

Town of Pictou Water Utility Calculation of Consumption Charge 2025/26	
NET PRODUCTION EXPENSE	BLOCK 1
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	1.69
NET DELIVERY EXPENSES	
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	1.14
TOTAL CONSUMPTION CHARGE PER Cubic Meter	2.84

Town of Pictou Water Utility Calculation of Consumption Charge 2026/27	
NET PRODUCTION EXPENSE	BLOCK 1
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	1.77
NET DELIVERY EXPENSES	
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	1.21
TOTAL CONSUMPTION CHARGE PER Cubic Meter	2.97

17-Nov-23

Town of Pictou 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	5	318.17	1,591
5/8"	1,277	318.17	406,308
3/4"	61	472.37	28,814
1"	46	780.75	35,915
1.5"	17	1,551.72	26,379
2"	9	2,476.88	22,292
3"	4	4,943.97	19,776
4"	0	7,719.44	0
6"	1	15,429.09	15,429
TOTAL BASE REVENUE			556,504
CONSUMPTION CHARGE			
	Quantity	\$/ Cubic Meter	
1st Block	284,021	2.42	688,083
TOTAL CONSUMPTION REVENUE			688,083
TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION)			1,244,587

Town of Pictou Water Utility			
Water Consumption by Block			
2025/26			
BASE CHARGE			
<u>Meter Size</u>	<u>Number</u>	<u>Base Rate</u>	<u>Dollar Revenue</u>
Unmetered	5	314.91	1,575
5/8"	1,282	314.91	403,710
3/4"	61	467.34	28,507
1"	46	772.20	35,521
1.5"	17	1,534.35	26,084
2"	9	2,448.93	22,040
3"	4	4,887.81	19,551
4"	0	7,631.54	0
6"	1	15,253.04	15,253
TOTAL BASE REVENUE			552,241
CONSUMPTION CHARGE			
	Quantity	\$/ Cubic Meter	
1st Block	284,719	2.84	807,601
TOTAL CONSUMPTION REVENUE			807,601
TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION)			1,359,842

Town of Pictou Water Utility
Water Consumption by Block
2026/27

BASE CHARGE

<u>Meter Size</u>	<u>Number</u>	<u>Base Rate</u>	<u>Dollar Revenue</u>
Unmetered	5	302.25	1,511
5/8"	1,287	302.25	388,998
3/4"	61	448.22	27,342
1"	46	740.16	34,047
1.5"	17	1,470.01	24,990
2"	9	2,345.84	21,113
3"	4	4,681.36	18,725
4"	0	7,308.83	0
6"	1	14,607.35	14,607

TOTAL BASE REVENUE 531,334

CONSUMPTION CHARGE

	<u>Quantity</u>	<u>\$/ Cubic Meter</u>	
1st Block	284,523	2.97	846,409

TOTAL CONSUMPTION REVENUE 846,409

TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION) 1,377,743

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

Meter Size	Average Quarterly Consumption	Base Charge		Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Quarterly Rate Change	Percent Change
		1st Block	Current		Proposed	Current		Proposed	Current		
Unmetered								207.25	244.28	37.03	17.9%
5/8"	35	80.14	79.54	-0.7%	64.83	83.99	29.6%	144.97	163.54	18.56	12.8%
3/4"	89	119.16	118.09	-0.9%	165.53	214.44	29.6%	284.69	332.54	47.85	16.8%
1"	150	197.21	195.19	-1.0%	281.06	364.12	29.6%	478.27	559.31	81.04	16.9%
1.5"	229	392.33	387.93	-1.1%	429.14	555.96	29.6%	821.47	943.89	122.42	14.9%
2"	496	626.47	619.22	-1.2%	927.78	1,201.97	29.6%	1,554.25	1,821.19	266.94	17.2%
3"	609	1,250.85	1,235.99	-1.2%	1,138.48	1,474.94	29.6%	2,389.33	2,710.93	321.60	13.5%
4"		1,953.27			-	-					
6"	3,276	3,904.44	3,857.27	-1.2%	6,126.59	7,937.20	29.6%	10,031.03	11,794.47	1,763.44	17.6%

Town of Pictou Water Utility
Comparison of Current Water Rates with Proposed New Rates
2025/26

Meter Size	Average Quarterly Consumption	Base Charge		Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Quarterly Rate Change	Percent Change
		1st Block	Current		Proposed	Current		Proposed	Current		
Unmetered	-							244.28	271.61	27.32	11.2%
5/8"	35	79.54	78.73	-1.0%	83.99	98.34	17.1%	163.54	177.07	13.53	8.3%
3/4"	89	118.09	116.83	-1.1%	214.44	251.08	17.1%	332.54	367.91	35.37	10.6%
1"	150	195.19	193.05	-1.1%	364.12	426.32	17.1%	559.31	619.37	60.06	10.7%
1.5"	229	387.93	383.59	-1.1%	555.96	650.93	17.1%	943.89	1,034.52	90.63	9.6%
2"	496	619.22	612.23	-1.1%	1,201.97	1,407.29	17.1%	1,821.19	2,019.52	198.33	10.9%
3"	609	1,235.99	1,221.95	-1.1%	1,474.94	1,726.89	17.1%	2,710.93	2,948.84	237.91	8.8%
4"											
6"	3,276	3,857.27	3,813.26	-1.1%	7,937.20	9,293.04	17.1%	11,794.47	13,106.30	1,311.83	11.1%

Town of Pictou Water Utility
Comparison of Current Water Rates with Proposed New Rates
2026/27

Meter Size	Average Quarterly Consumption	Base Charge		Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Quarterly Rate Change	Percent Change
		1st Block	Current		Proposed	Current		Proposed	Current		
Unmetered								271.61	277.85	6.24	2.3%
5/8"	34	78.73	75.56	-4.0%	98.34	102.63	4.4%	177.07	178.19	1.12	0.6%
3/4"	89	116.83	112.06	-4.1%	251.08	263.32	4.9%	367.91	375.38	7.47	2.0%
1"	150	193.05	185.04	-4.1%	426.32	447.11	4.9%	619.37	632.15	12.78	2.1%
1.5"	229	383.59	367.50	-4.2%	650.93	682.68	4.9%	1,034.52	1,050.18	15.67	1.5%
2"	496	612.23	586.46	-4.2%	1,407.29	1,475.93	4.9%	2,019.52	2,062.39	42.87	2.1%
3"	609	1,221.95	1,170.34	-4.2%	1,726.89	1,811.11	4.9%	2,948.84	2,981.45	32.62	1.1%
4"											
6"	3,276	3,813.26	3,651.84	-4.2%	9,293.04	9,746.29	4.9%	13,106.30	13,398.13	291.83	2.2%

Town of Pictou Water Utility
Comparitive Statement of Operations

Fiscal Years ending March 31st

	2023/24 Estimated	Projection Using Proposed Rates		
		2024/25 Test	2025/26 Test	2026/27 Test
OPERATING REVENUES				
Metered Sales	1,060,836	1,201,065	1,354,529	1,372,298
Flat Rate Sales	3,987	4,886	5,432	5,557
Public Fire Protection	326,844	364,114	437,484	456,592
Total	1,391,667	1,570,065	1,797,446	1,834,447
OPERATING EXPENDITURES				
Source of Supply	17,414	17,936	18,475	19,029
Power and Pumping	143,932	169,837	178,970	188,653
Water Treatment	88,530	177,956	183,295	188,794
Transmission and Distribution	327,447	260,883	268,710	286,585
Administration and General	147,932	154,430	159,063	163,835
Depreciation	356,572	369,835	380,616	391,398
Taxes	105,454	118,454	131,454	144,454
Total	1,187,281	1,269,332	1,320,582	1,382,748
OPERATING PROFIT (LOSS)				
LESS NON-OPERATING REVENUES				
Interest	13,702	13,792	13,844	13,897
Interest	0	0	0	0
Amortization of Deferred Contributions	0	0	0	0
Total	13,702	13,792	13,844	13,897
OTHER OPERATING REVENUES				
Other	13,436	4,255	4,255	4,255
Total	13,436	4,255	4,255	4,255
NON-OPERATING EXPENDITURES				
Debt Charges - Principal	257,944	257,944	361,744	247,544
Debt Charges - Interest	71,288	66,940	62,251	52,632
New Debt - Principal	4,176	4,427	4,693	4,974
New Debt - Interest	9,218	8,967	8,702	8,420
New Debt - Principal	0	9,841	10,431	11,057
New Debt - Interest	0	21,720	21,130	20,504
New Debt - Principal	0	0	8,074	8,558
New Debt - Interest	0	0	17,820	17,336
New Debt - Principal				7,394
New Debt - Interest				16,320
Interest on Short Term debt	0	0	0	0
Capital out of Revenue	0	0	0	0
Earnings	0	0	0	75,000
Total	342,626	369,839	494,844	469,739
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES				
	-111,102	-51,059	119	112
SURPLUS AT BEGINNING OF YEAR *	79,432	-31,670	-82,729	-82,610
ACCUMULATED SURPLUS (DEFICIT)	-31,670	-82,729	-82,610	-7,498

Appendix 1
Loan Calculator
Long Term Debt
2023/24

Interest Rate	6.0%
Term in years	20
Capital \$	153,629

Payment Schedule

Year	Principal	Interest	Total	Balance
1	\$4,176.34	9,217.74	13,394.08	149,452.66
2	\$4,426.92	8,967.16	13,394.08	145,025.75
3	\$4,692.53	8,701.54	13,394.08	140,333.22
4	\$4,974.08	8,419.99	13,394.08	135,359.13
5	\$5,272.53	8,121.55	13,394.08	130,086.60
6	\$5,588.88	7,805.20	13,394.08	124,497.72
7	\$5,924.21	7,469.86	13,394.08	118,573.51
8	\$6,279.67	7,114.41	13,394.08	112,293.85
9	\$6,656.45	6,737.63	13,394.08	105,637.40
10	\$7,055.83	6,338.24	13,394.08	98,581.57
11	\$7,479.18	5,914.89	13,394.08	91,102.39
12	\$7,927.93	5,466.14	13,394.08	83,174.45
13	\$8,403.61	4,990.47	13,394.08	74,770.84
14	\$8,907.83	4,486.25	13,394.08	65,863.02
15	\$9,442.30	3,951.78	13,394.08	56,420.72
16	\$10,008.83	3,385.24	13,394.08	46,411.89
17	\$10,609.36	2,784.71	13,394.08	35,802.53
18	\$11,245.92	2,148.15	13,394.08	24,556.60
19	\$11,920.68	1,473.40	13,394.08	12,635.92
20	\$12,635.92	758.16	13,394.08	-

Loan Calculator
Long Term Debt
2024/25

Interest Rate	6.0%
Term in years	20
Capital \$	362,000

Payment Schedule for Capital Works

Year	Principal	Interest	Total	Balance
1	\$9,840.81	\$21,720.00	31,560.81	352,159.19
2	\$10,431.26	\$21,129.55	31,560.81	341,727.93
3	\$11,057.13	\$20,503.68	31,560.81	330,670.80
4	\$11,720.56	\$19,840.25	31,560.81	318,950.24
5	\$12,423.80	\$19,137.01	31,560.81	306,526.44
6	\$13,169.22	\$18,391.59	31,560.81	293,357.22
7	\$13,959.38	\$17,601.43	31,560.81	279,397.84
8	\$14,796.94	\$16,763.87	31,560.81	264,600.90
9	\$15,684.76	\$15,876.05	31,560.81	248,916.15
10	\$16,625.84	\$14,934.97	31,560.81	232,290.31
11	\$17,623.39	\$13,937.42	31,560.81	214,666.92
12	\$18,680.79	\$12,880.01	31,560.81	195,986.12
13	\$19,801.64	\$11,759.17	31,560.81	176,184.48
14	\$20,989.74	\$10,571.07	31,560.81	155,194.74
15	\$22,249.13	\$9,311.68	31,560.81	132,945.61
16	\$23,584.07	\$7,976.74	31,560.81	109,361.54
17	\$24,999.12	\$6,561.69	31,560.81	84,362.42
18	\$26,499.06	\$5,061.75	31,560.81	57,863.36
19	\$28,089.01	\$3,471.80	31,560.81	29,774.35
20	\$29,774.35	\$1,786.46	31,560.81	(0.00)

Loan Calculator
Long Term Debt
2025/26

Interest Rate	6.0%
Term in years	20
Capital \$	297,000

Payment Schedule for Capital Works

Year	Principal	Interest	Total	Balance
1	\$8,073.81	\$17,820.00	25,893.81	288,926.19
2	\$8,558.24	\$17,335.57	25,893.81	280,367.94
3	\$9,071.74	\$16,822.08	25,893.81	271,296.21
4	\$9,616.04	\$16,277.77	25,893.81	261,680.17
5	\$10,193.00	\$15,700.81	25,893.81	251,487.16
6	\$10,804.58	\$15,089.23	25,893.81	240,682.58
7	\$11,452.86	\$14,440.95	25,893.81	229,229.72
8	\$12,140.03	\$13,753.78	25,893.81	217,089.69
9	\$12,868.43	\$13,025.38	25,893.81	204,221.26
10	\$13,640.54	\$12,253.28	25,893.81	190,580.72
11	\$14,458.97	\$11,434.84	25,893.81	176,121.75
12	\$15,326.51	\$10,567.31	25,893.81	160,795.24
13	\$16,246.10	\$9,647.71	25,893.81	144,549.14
14	\$17,220.86	\$8,672.95	25,893.81	127,328.28
15	\$18,254.12	\$7,639.70	25,893.81	109,074.16
16	\$19,349.36	\$6,544.45	25,893.81	89,724.80
17	\$20,510.33	\$5,383.49	25,893.81	69,214.47
18	\$21,740.95	\$4,152.87	25,893.81	47,473.53
19	\$23,045.40	\$2,848.41	25,893.81	24,428.13
20	\$24,428.13	\$1,465.69	25,893.81	(0.00)

Loan Calculator
Long Term Debt
2026/27

Interest Rate	6.0%
Term in years	20
Capital \$	272,000

Payment Schedule for Capital Works

Year	Principal	Interest	Total	Balance
1	\$7,394.20	\$16,320.00	23,714.20	264,605.80
2	\$7,837.85	\$15,876.35	23,714.20	256,767.95
3	\$8,308.12	\$15,406.08	23,714.20	248,459.83
4	\$8,806.61	\$14,907.59	23,714.20	239,653.22
5	\$9,335.01	\$14,379.19	23,714.20	230,318.21
6	\$9,895.11	\$13,819.09	23,714.20	220,423.10
7	\$10,488.81	\$13,225.39	23,714.20	209,934.29
8	\$11,118.14	\$12,596.06	23,714.20	198,816.15
9	\$11,785.23	\$11,928.97	23,714.20	187,030.92
10	\$12,492.34	\$11,221.86	23,714.20	174,538.57
11	\$13,241.89	\$10,472.31	23,714.20	161,296.69
12	\$14,036.40	\$9,677.80	23,714.20	147,260.29
13	\$14,878.58	\$8,835.62	23,714.20	132,381.71
14	\$15,771.30	\$7,942.90	23,714.20	116,610.41
15	\$16,717.57	\$6,996.62	23,714.20	99,892.84
16	\$17,720.63	\$5,993.57	23,714.20	82,172.21
17	\$18,783.87	\$4,930.33	23,714.20	63,388.34
18	\$19,910.90	\$3,803.30	23,714.20	43,477.44
19	\$21,105.55	\$2,608.65	23,714.20	22,371.89
20	\$22,371.89	\$1,342.31	23,714.20	-

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

2. PUBLIC FIRE PROTECTION RATE

The Town of Pictou shall pay to the Town of Pictou Water Utility on or before October 1, 2024 a total of \$364,114 based on 3 months at the current rate (\$326,844 X 25% = \$81,711) PLUS 9 months at the proposed rate (\$376,538 X 75% = \$282,403).

3. RATES FOR SPRINKLER SERVICE

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

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

4. WATER FOR BUILDINGS OR WORKS UNDER CONSTRUCTION

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

Per hydrant per year \$200.00.

6. RATES FOR WATER SUPPLIED FROM FIRE HYDRANTS

Whenever the use of any fire hydrant is desired for supplying water for any purpose, excepting those of the Fire Department for fire use, the Utility may grant a permit containing such terms and conditions as it may provide, including arrangements regarding supervision of the opening and closing of the hydrant, and a service charge for commercial consumers of \$70.00 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 \$70.00 has been paid to the Utility. If reconnection is outside of regular working hours, the charge is \$250.00.

A

8. ACCOUNT CREATION FEE

The Utility shall charge a \$70.00 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 requests the water be turned off from any premises for an extended period of time, a charge of \$70.00 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 \$250.00 shall apply.

10. SPECIAL SERVICE CHARGE:

A special service charge of \$70.00 (\$250.00 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 except for water service repairs requested by the Utility. 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 \$20.00 administration fee plus any additional bank charges for cheques that, due to non-negotiability, have been rejected by the Utility's bank.

12. CHARGE FOR MISSED APPOINTMENT BY CUSTOMERS

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

13. CHARGE FOR COLLECTION VISIT

The Utility may charge a \$25.00 fee for each visit by Utility staff to a customer whose payment is overdue, if in the opinion of the Utility such fee is warranted.

2. PUBLIC FIRE PROTECTION RATE

The Town of Pictou shall pay to the Town of Pictou Water Utility on or before October 1, 2025 a total of \$437,484.

3. RATES FOR SPRINKLER SERVICE

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

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

4. WATER FOR BUILDINGS OR WORKS UNDER CONSTRUCTION

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

Per hydrant per year \$200.00.

6. RATES FOR WATER SUPPLIED FROM FIRE HYDRANTS

Whenever the use of any fire hydrant is desired for supplying water for any purpose, excepting those of the Fire Department for fire use, the Utility may grant a permit containing such terms and conditions as it may provide, including arrangements regarding supervision of the opening and closing of the hydrant, and a service charge for commercial consumers of \$70.00 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 \$70.00 has been paid to the Utility. If reconnection is outside of regular working hours, the charge is \$250.00.

B

8. ACCOUNT CREATION FEE

The Utility shall charge a \$70.00 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 requests the water be turned off from any premises for an extended period of time, a charge of \$70.00 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 \$250.00 shall apply.

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The Utility may charge a \$20.00 administration fee plus any additional bank charges for cheques that, due to non-negotiability, have been rejected by the Utility's bank.

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

13. CHARGE FOR COLLECTION VISIT

The Utility may charge a \$25.00 fee for each visit by Utility staff to a customer whose payment is overdue, if in the opinion of the Utility such fee is warranted.

2. PUBLIC FIRE PROTECTION RATE

The Town of Pictou shall pay to the Town of Pictou Water Utility on or before October 1, 2026 a total of \$456,592.

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

(a) the sum of 31.4% of Transmission and Distribution, Taxes and Depreciation expenses of the Utility, and 31.4% of the sum of the (Non-Operating Expenditures less the Non-Operating Revenue less Other Operating Revenue of the immediately preceding year), plus

(b) 10 % of all other expenses, whichever is the greater.

3. RATES FOR SPRINKLER SERVICE

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

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

Per hydrant per year \$200.00.

6. RATES FOR WATER SUPPLIED FROM FIRE HYDRANTS

Whenever the use of any fire hydrant is desired for supplying water for any purpose, excepting those of the Fire Department for fire use, the Utility may grant a permit containing such terms and conditions as it may provide, including arrangements regarding supervision of the opening and closing of the hydrant, and a service charge for commercial consumers of \$70.00 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 \$70.00 has been paid to the Utility. If reconnection is outside of regular working hours, the charge is \$250.00.

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

13. CHARGE FOR COLLECTION VISIT

The Utility may charge a \$25.00 fee for each visit by Utility staff to a customer whose payment is overdue, if in the opinion of the Utility such fee is warranted.

C

SCHEDULE D
RULES AND REGULATIONS

TOWN OF PICTOU WATER UTILITY

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

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

“Town” means the Town of Pictou;

“Utility” means the Town of Pictou Water Utility;

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

“Domestic Service” means the type of service supplied to the owner or his/her authorized agent for the distinct purpose of a dwelling house, rooming house, apartment, flat, etc.;

“Commercial Service” means any service other than a domestic service as herein defined;

“Metered Rate Service” means that type of service charged for at metered rates. Metered rate service is required for all new services.

- 1) **LIABILITY FOR PAYMENT OF WATER BILL:** An agreement/contract is deemed to exist between a customer and the Utility for the supply of water service at such rates and in accordance with these Regulations by virtue of:
 - a) the customer applying for and receiving approval for water service;
 - b) the customer consuming or paying for water service from the date that the customer who is a party to an agreement pursuant to clause (a) (the customer of record) moves out of the premises, in which case the customer of record shall remain jointly and severally liable for the water service account up to the date the Utility is notified that the customer of record wishes to terminate the supply of water service.

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

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

utilized.

- d) Where service is supplied to a condominium unit, the Condominium Corporation in which the unit is situated shall be deemed to be the customer of record and shall be liable for payment of the service bill for the condominium unit.
- 2) **DEPOSITS:** When required, an applicant for service shall deposit with the Utility a sum equal to the previous year's average bill for the meter size for such service for a period of three months, or such lesser amount as the Utility may demand (a minimum of \$150.00). 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 their liability to the Utility in respect of such service, the deposit shall be returned to him with interest based on 2% per annum, not compounded.
- 3) **REFUSAL OF SERVICE:** Service may be refused or suspended to any customer who has failed to discharge all of his liabilities to the Utility.
- 4) **BILLING:** If an agreement/contract is entered into or terminated at any time other than a regular billing date, the amount to be charged to the customer shall be the pro rata proportion to the next billing date, of the regular service charge for the billing period, plus the consumption charge, if any.

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

- 5) **PAYMENT OF BILLS:** Bills shall be rendered to each customer at intervals of approximately three months (quarterly). All bills are due and payable when rendered. Bills not paid within thirty days after the billing date shall be subject to the interest charge as set out in the Schedule of Rates and Charges.
- 6) **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.
- 7) **ADJUSTMENT OF BILLS:**
 - (a) Where meters exist - If the seal of a meter is broken or if a meter does not register

correctly, the bill for that water service shall be estimated in accordance with the best data available. Any customer desiring to question a water bill must do so in writing within 30 days of the bill being rendered.

- (b) Customers Under billed - Should it be necessary for the Utility to make a billing adjustment as a result of a customer being under billed for any reason, such adjustment shall be retroactive for a maximum of four billing periods or one year, whichever is the longest. Notwithstanding the above, in the event that a billing adjustment is the result of the customer's illegal connection to the water system or willful interference or damage of metering equipment (where they exist), the billing adjustment in such circumstances will not be limited to one year or four billing periods, but rather the customer shall be responsible for all payments of such accounts from the date such illegal connection or interference to meter equipment took place.
 - (c) Customer Over billed - Notwithstanding 8(a) above, should it become necessary for the Utility to make a billing adjustment as a result of a customer being over billed for any reason, such adjustment will be estimated by the Utility, and the Utility will be responsible for payment of the over billed amount with interest calculated on the basis of current simple interest paid by the bank respecting the period during which the customer was incorrectly billed by the Utility, such period not to exceed five years.
- 8) **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. The customer shall pay the reconnection fee as set out in the Schedule of Rates and Charges for Re-establishing Water Service after each suspension. Service suspension can be delayed if approved payment arrangements have been made and the customer is in compliance with arrangements.
- 9) **METER READING:** In the case of Metered Service Customers who are billed quarterly, meters shall be read in at least two of the four quarters, normally, the second and fourth, and, subject to Regulation 7, each billing for these quarters shall be based upon the meter reading with adjustment for any earlier estimated reading. The Utility may, at its option, estimate the readings in the alternate quarters based on the actual consumption from the previous quarter.
- 10) **WATER TO BE SUPPLIED BY METER:** Except where water is used for construction purposes from a hydrant under the supervision of the Utility and except as in these regulations otherwise provided, all services other than those used exclusively for fire protection shall be metered. Any building occupied by more than one tenant may have a separate meter with appropriate isolation valves for each tenant. With the Utility's approval, such a building may be serviced by one meter, provided the landlord is the customer. 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 of the Utility 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) **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.
- 14) **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.
- 15) **METER TESTING.** On the request to have their meter tested, the Utility may charge the sum of \$100.00 to defray, in part, the cost of making the test for meters up to 1 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.
- 16) **PLUMBING TO BE SATISFACTORY:** All plumbing, pipes and fittings, fixtures, and other devices for conveying, distributing, controlling, or utilizing water which are used by a customer and are not the property of the Utility, shall be installed in the manner provided by the Regulations of and be approved by the proper official of the Municipality and/or the operators of the Utility. The water shall not be turned on (except for construction or testing purposes) until the applicant for service has satisfied the Utility that these requirements have been met. The supply of water may be discontinued to any customer at any time if, in the opinion of the proper official of the Municipality and/or the operator of the Utility, the plumbing, pipes, fittings, fixtures, or other devices as hereinbefore mentioned, or any of

them, fail to comply with the above requirements, or if any part of the water system of such customer or the meter is in any unsuitable, dirty, unsanitary or inaccessible place. Service shall not be re-established until such condition is corrected to the satisfaction of the Utility.

- 17) **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.
- 18) **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, 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.
- 19) **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.
- 20) **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 (19 mm) diameter shall be laid for any service.

The necessary excavation for the laying of the service pipe, backfilling and replacement of the street and sidewalk surfaces from the water main in the street to the street line, including supplying and laying a service pipe and fittings between the main pipe and the street line shall be the responsibility of the Utility. A service box (standpipe) and curb stop valve shall be installed at the property line by the Utility. The cost of supplying and installing the water pipe from the street line to the premises including all excavation, backfilling and surface restoration shall be paid for by the customer.

For water service pipes larger than 3/4", the cost shall be borne by the customer, less the cost of the 3/4" service pipe and trench from the main in the street 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 to the satisfaction of the Utility. The excavation may be the same excavation as is used for the sewer service pipe or, if minimum horizontal and vertical separation between the water and sewer pipes cannot be obtained, a separate excavation for the water service pipe shall be required.

When a service has been installed without objection from the customer as to the location of the same, any subsequent removal of or alteration to the position of the pipe shall be made at the expense of the customer requesting such removal or alteration.

- 21) **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 street 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 their 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.

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

If a leak occurs on the customer's portion of their service pipe and, after being notified of same, they refuse or unduly delay 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.

- 22) **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 Pictou Water Utility requirements.

- 23) **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. Any unauthorized connection shall be subject to removal by the Utility. The cost of the removal including labour and materials and an estimate of the water used together with a \$200 service charge shall be paid by those who made the unauthorized connection.
- 24) **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.
- 25) **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 exchanged 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.

26) **CROSS CONNECTION CONTROL & BACKFLOW PREVENTION:**

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

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

(c) All BFP devices shall be maintained in good working order. Such devices must be

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

(d) The Utility shall maintain a program for the issuance, renewal and cancellation of Cross Connection Control Tester's Licenses. The Utility's program shall establish minimum standards, minimum insurance requirements, fees and administrative procedures.

(e) 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.

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

(i) suspend water service to such person, or

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

27) **ALTERNATE WATER SUPPLY PROHIBITED:** Connection of any customer's installation served by the Utility to any other source of water supply is prohibited. Failure to comply with this regulation shall entitle the Utility to suspend the service.

28) **DEPOSITS IN ADVANCE:** Whenever a customer requests the Utility to do work for which he/she is required to pay and the Utility agrees to do the work, he/she shall deposit with the Utility, before the work is started, a sum of money equal to the Utility's estimate of the probable cost of said work or execute an agreement to pay the actual cost. When the actual cost is determined, an adjustment in the payment shall be made. Water service shall not be established by the Utility until all charges are paid in full. Installations shall be made in accordance with the Pictou Water Utility specifications and be subject to inspection by the Utility's Staff prior to water service being made available.

29) **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.

30) **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. Responsibility for the installation, maintenance of any and all privately owned fire protections systems, including fire protection lines, sprinkler systems and hydrants shall be the responsibility of the owner.

- 31) **RESELLING OF WATER:** It is prohibited for a customer of the Utility to resell water to others, without the express written consent of the Utility. In the event that a customer is reselling water to others, without prior approval by the Utility, the Utility may suspend service to the premises until such time as the activity ceases or approval to resell is granted.
- 32) **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.
- 33) **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 designated by the Utility for fire protection purposes.
- 34) **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.
- 35) **THEFT OF SERVICE:** The Utility may impose penalties in addition to charges for Service approved by these Regulations for each unauthorized Water Service Connection, as follows:
 - (a) First incident \$300.00
 - (b) Second incident, and each incident thereafter \$750.00
- 36) **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.
- 37) **PRESSURE REDUCING VALVES:**
 - a) 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 customer's

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.

- b) A customer receiving service water pressure less than that which is needed for domestic use and fire protection requirements shall be responsible for providing and maintaining, at no cost to the Utility, a suitable booster pump.
- 38) **PRESSURE RELIEF VALVES:** Whenever a pressure reducing valve has been installed by a customer in accordance with Regulation 37, 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.
- 39) **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.
- 40) **REQUESTS FOR EXTENIONS OF SERVICE:** The Utility has no obligation to extend water service into areas with no water service. Requests for such extensions will be reviewed by the Utility on a case by case basis.
- 41) **WORK ON WATER UTILITY INFRASTRUCTURE:** The Utility reserves the right to perform all work with its own forces, on existing Utility infrastructure or infrastructure that will be turned over to the Utility. This includes, but is not limited to, new construction of water mains and/or building services and any repairs to existing infrastructure of the Utility. Any work permitted to be undertaken by outside contractors will be under such terms and conditions and to standards as prescribed by the Utility. This regulation shall not apply to land developments involving construction of new streets and services whether the developer has entered a servicing agreement with the Town of Pictou.
- 42) **CURB STOP/CONTROL VALVE SERVICE BOX:** The curb stop/control valve service box housing the customers control valve shall be exposed for access by the Utility at all times. The Utility requires all curb stop/control valve service boxes and/or valves to be fully exposed and adjusted to final landscape grade before the installation of a customer's water meter. Any adjustment of the service box or valve box is the responsibility of the customer.

The customer shall ensure the curb stop/control valve service box and/or the valve box is exposed at all times. In the event that the curb stop/control valve service box is buried,

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