

Landrie Lake Water Supply Utility
Water Rate Study

Prepared By

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in Association with

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LANDRIE LAKE WATER UTILITY
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WORKSHEET B-1

Operating Expenditures - The Depreciation has been calculated based on the addition of the planned infrastructure plus the addition of calculated depreciation based on the asset values provided by the Province at the time of the transfer.

WORKSHEET B-3

The Landrie Lake water supply did not charge Depreciation as part of the rate structure when owned by the Province. The Utility is proposing to phase in the calculated depreciation based on the 2019/20 Financial Statements. The total depreciation is calculated to be \$57,817 based on the information provided by the Province at the time of the transfer. The phasing is based on adding 75% of the total in 2020/21, 10% in 2021/22, and 15% in 2022/23.

WORKSHEET B-5

The Worksheet is not included in the Water Rate Study since the Utility does not provide fire protection.

WORKSHEET C-1

The Worksheet is not included in the Water Rate Study since the Utility does not provide fire protection.

WORKSHEET C-3

The allocations used in the Worksheet are consistent with the Handbook.

LANDRIE LAKE WATER UTILITY
GENERAL NOTES ON WORKSHEETS

Worksheet B-1

This worksheet includes a summary of the operating revenues, operating expenditures, non-operating revenues and non-operating expenditures for the year 19/20 (estimated) as provided by the Utility.

Operating Revenues - The operating revenue for 20/21, 21/22 and 22/23 is based on the Utility's budget. There is no projected customer growth in the test years.

Operating Expenditures - The projection of expenses for the test years is derived from Worksheet B-2a/2b/2c/2d/2e.

Non-operating Revenues – The non-operating revenue projected during the test years relates to interest on overdue accounts.

Non-operating Expenditures – The non-operating expenditures include debt repayment, principal and interest based on the Capital Expenditures outlined in Worksheet B--3.

Accumulated Surplus (Deficit) The Utility is projected to have a deficit in all years based on the current customer rates.

Worksheet B-2

This worksheet takes the information from Worksheet B-1 to develop revenue requirements for the years 20/21, 21/22 and 22/23.

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

This worksheet provides the breakdown of the operating expenditures as estimated by the Utility for the year 19/20. The projected expenditures for the years 20/21, 21/22 and 22/23 are taken from the Utility's budget.

Worksheet B-3

This worksheet calculates the depreciation per year and the depreciation fund balance based on the proposed capital works for the years 20/21, 21/22 and 22/23. (See supplemental notes).

Worksheet B-4

This worksheet calculates the amortization of the capital contributions for those test years when outside funding has been identified.

Worksheet B-5

This worksheet is not included as the system does not provide fire protection.

Worksheet C-1

This worksheet is not included as the system does not provide fire protection.

Worksheet C-2

This worksheet calculates the return on rate base

Worksheet C-3

This worksheet allocates the expenses among customer charge, base charge, delivery and production. All allocations are consistent with the Handbook.

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. There is no growth in customers predicted in the test years.

Worksheet C-5

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

Worksheet C-6

This worksheet sets out the water consumption by meter size based on a single block rate. The data for current year is based on the most current 12 months of data as 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 20/21, 21/22, and 21/22.

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 at the proposed rates.

Appendix 1

This appendix calculates the principal and interest charges for the long term debt.

Landrie Lake Water Supply Utility
Comparative Statement of Operations

Fiscal Years ending March 31st

	2019/20 (Actual)	Projection Using Current Rates		
		2020/21 Budget	2021/22 Budget	2022/23 Budget
OPERATING REVENUES				
Metered Sales	281,778	272,900	272,900	272,900
Sprinkler Service/Private Hydrants				
Other Income	0	0	0	0
Total	281,778	272,900	272,900	272,900
OPERATING EXPENDITURES				
Pumping, Transmission & distribution	171,017	217,084	223,597	230,304
Administration and General	25,718	34,793	35,837	36,912
Depreciation	57,817	48,363	58,329	67,262
Other	0	-	-	-
Total	254,552	300,240	317,763	334,479
OPERATING PROFIT (LOSS)	27,226	-27,340	-44,863	-61,579
		0		
NON-OPERATING REVENUES				
Amortization of Deferred Contribution	57,817	0	0	
Interest	0	0	0	0
Other	0	0	0	
Total	57,817	0	0	0
NON-OPERATING EXPENDITURES				
Debt Charges - Principal				
Debt Charges - Interest				
New Debt - Principal		2,655	2,815	2,984
New Debt - Interest		2,100	1,941	1,772
New Debt - Principal			1,087	1,153
New Debt - Interest			2,400	2,335
Interest and Bank charges				
Interest Paid on consumer deposits				
Capital out of Revenue				0
Earnings	0	0	0	0
Total	0	4,755	8,243	8,243
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	85,043	-32,096	-53,106	-69,821
SURPLUS AT BEGINNING OF YEAR	0	85,043	52,947	-158
ACCUMULATED SURPLUS (DEFICIT)	85,043	52,947	-158	-69,980

Worksheet B-2

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Landrie Lake Water Supply Utility			
Statement of Operating Expenditures and Revenue Requirements			
	2020/21	2021/22	2022/23
OPERATING EXPENDITURES			
Pumping, Transmission & distribution	217,084	223,597	230,304
Administration and General	34,793	35,837	36,912
Depreciation	48,363	58,329	67,262
Other	0	0	0
Total	300,240	317,763	334,479
NON OPERATING EXPENSES			
Debt Charges - Principal	0	0	0
Debt Charges - Interest	0	0	0
New Debt - Principal	2,655	2,815	2,984
New Debt - Interest	2,100	1,941	1,772
New Debt - Principal	0	1,087	1,153
New Debt - Interest	0	2,400	2,335
Interest and Bank charges	0	0	0
Interest Paid on consumer deposits	0	0	0
Capital out of Revenue	0	0	0
Earnings	0	0	0
Total	4,755	8,243	8,243
LESS NON-OPERATING REVENUES			
Transfer from Depreciation	0	0	0
Interest on Overdue accounts	0	0	0
Other	0	0	0
Total	0	0	0
LESS OTHER OPERATING REVENUE			
Sundry	0	0	0
Sprinkler Service/Private Hydrants	0	0	0
Other Revenue	0	0	0
Total	0	0	0
REVENUE REQUIRED FROM FIRE PROTECTION AND WATER CUSTOMERS	304,996	326,006	342,721

**Landrie Lake Water Supply Utility
Statement of Operating Expenditures**

	2019/20 (Projected)	2020/21 Budget	2021/22 Budget	2022/23 Budget
PUMPING, TRANSMISSION & DISTRIBUTION				
Manager of Public Works	0	13,390	13,792	14,205
Supervisor of Water and Wastewater	0	9,270	9,548	9,835
Direct Salaries and Benefits	89,403	68,289	70,338	72,448
Overtime Allowance	0	4,120	4,244	4,371
Electricity	63,609	70,000	72,100	74,263
Equipment Repairs	18,005	11,845	12,200	12,566
Rental Equipment	0	515	530	546
Vehicle Operations and Maintenance	0	10,300	10,609	10,927
Misc. Maintenance	0	4,635	4,774	4,917
Water Withdrawal Permit	0	6,695	6,896	7,103
Misc. Rentals	0	1,030	1,061	1,093
Small Tools / Equipment	0	1,030	1,061	1,093
General Materials and Supplies	0	5,665	5,835	6,010
Snow Removal	0	5,150	5,305	5,464
Summer Dam Maintenance	0	5,150	5,305	5,464
Other	0	-	-	-
TOTAL PUMPING, TRANSMISSION & DISTRIBUTION	171,017	217,084	223,597	230,304
ADMINISTRATION AND GENERAL				
Direct Salaries and Benefits	0	0	0	0
Administration Staff	5,780	9,043	9,315	9,594
Insurance	-	5,150	5,305	5,464
Travel/Profession Development	2,026	4,120	4,244	4,371
Misc. Office Exxpenses	2,305	1,030	1,061	1,093
Telecommunications	-	2,060	2,122	2,185
Admin. Fee	-	3,090	3,183	3,278
Professional Fees including Audit/Legal	15,607	10,300	10,609	10,927
Other	-	-	-	-
TOTAL ADMINISTRATION AND GENERAL	25,718	34,793	35,837	36,912

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Landrie Lake Water Supply Utility
Calculation of Depreciation of Tangible Plant at Total Cost
2020/21

	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
33.3% Phase in of Calculated Depreciation Rate as Mar 31/16 (Appendix 2)					43,363
LAND AND LAND RIGHTS					
Source of Supply Land	0		0		0
Land - Water Storage Tank			0		0
STRUCTURES AND IMPROVEMENTS			0	0.01333	0
Heating	0		0	0.02	0
Source of Supply Structures	0		0	0	0
Treatment Plant	0	0	0	0.02	0
Distribution Reservoirs and Standpipes	0		0	0.04	0
Other Monitoring Wells	0	0	0	0.04	0
Other	0		0	0.05	0
Equipment	0		0		0
Electrical Equipment		0	0	0.05	0
Purification Equipment	0	0	0	0.05	0
Office Furniture and Equipment	0		0	0.05	0
Transportation Equipment	50,000	0	50,000	0.1	5,000
Tools and Work Equipment			0	0.1	0
Computers	0		0	0.05	0
Distribution Mains Equipment			0	0.05	0
Meter Shop Equipment					0
Other		0	0	0.2	
Mains			0		0
Transmission	0	0	0	0.0133	0
Distribution	0	0	0	0.0133	0
Meters	0	0	0	0.05	0
Hydrants	0	0	0	0.0133	0
Services	0	0	0	0.02	0
Other	0	0	0	0.3333	0
TOTAL	50,000	0	50,000	1	5,000
Source of Funding					
			Depreciation Fund Balance beginning of year		0
Outside Funding	0		Interest on Fund balance		0
Depreciation fund	15,000		Fund balance before expenditures		0
Long Term Debt	35,000		Plus Depreciation in Current Year		48,363
Capital out of revenue	0		Less Expenditures in Current Year		-15,000
TOTAL	50,000		Balance after expenditures		33,363

Landrie Lake Water Supply Utility					
Calculation of Depreciation of Tangible Plant at Total Cost					
2021/22					
	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation Rate from previous year	48,363
				Year 2 -33.3% Phase in of Calculated Depreciation Rate as Mar 31/16 (Appendix 2)	5,782
LAND AND LAND RIGHTS					
Source of Supply Land	0		0		0
Source Water Protection			0		0
STRUCTURES AND IMPROVEMENTS					
Heating			0	0.01333	0
Source of Supply Structures	36,000		36,000	0.05	1,800
Treatment Plant		0	0	0.02	0
Distribution Reservoirs and Standpipes			0	0.04	0
Other - Intake Dock	6,500	0	6,500	0.04	260
Other - Replace Dock Hatches	12,500		12,500	0.05	625
Equipment	0		0		0
Electrical Equipment	30,000	0	30,000	0.05	1,500
Purification Equipment		0	0	0.05	0
Office Furniture and Equipment	0		0	0.05	0
Transportation Equipment	0	0	0	0.1	0
Tools and Work Equipment			0	0.1	0
Computers	0		0	0.05	0
Distribution Mains Equipment			0	0.05	0
Meter Shop Equipment					0
Other		0	0	0.2	0
Mains			0		0
Transmission	0	0	0	0.0133	0
Distribution	0	0	0	0.0133	0
Meters	0	0	0	0.05	0
Hydrants	0	0	0	0.0133	0
Services	0	0	0	0.02	0
Other	0	0	0	0.3333	0
TOTAL	85,000	0	85,000		4,185
Source of Funding					
				Depreciation Fund Balance beginning of year	33,363
Outside Funding	0			Interest on Fund balance	334
Depreciation fund	45,000			Fund balance before expenditures	33,696
Long Term Debt	40,000			Plus Depreciation in Current Year	58,329
Capital out of revenue	0			Less Expenditures in Current Year	-45,000
TOTAL	85,000			Balance after expenditures	47,026

Landrie Lake Water Supply Utility
Calculation of Depreciation of Tangible Plant at Total Cost
2022/23

	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
Depreciation Rate from previous year					58,329
Year 3 -33.3% Phase in of Calculated Depreciation Rate as Mar 31/16 (Appendix 2)					8,673
LAND AND LAND RIGHTS					
Source of Supply Land	0		0		0
Land - General			0		0
STRUCTURES AND IMPROVEMENTS			0	0.01333	0
Heating			0	0.02	0
Source of Supply Structures			0	0	0
Treatment Plant		0	0	0.02	0
Distribution Reservoirs and Standpipes			0	0.04	0
Other As Built Drawings	6,500	0	6,500	0.04	260
Other	0		0	0.05	0
Equipment	0		0		0
Electrical Equipment		0	0	0.05	0
Purification Equipment		0	0	0.05	0
Office Furniture and Equipment	0		0	0.05	0
Transportation Equipment		0	0	0.1	0
Tools and Work Equipment			0	0.1	0
Computers	0		0	0.05	0
Distribution Mains Equipment			0	0.05	0
Meter Shop Equipment					0
Other		0	0	0.2	0
Mains			0		0
Transmission	0	0	0	0.0133	0
Distribution	0	0	0	0.0133	0
Meters	0	0	0	0.05	0
Hydrants	0	0	0	0.0133	0
Services	0	0	0	0.02	0
Other		0	0	0.3333	0
TOTAL	6,500	0	6,500	1	260
Source of Funding					
Outside Funding	0				47,026
Depreciation fund	6,500				470
Long Term Debt	0				47,496
Capital out of revenue	0				67,262
TOTAL	6,500				-6,500
					108,258

<p style="text-align: center;">Landrie Lake Water Supply Utility Calculation of Amoritization on Capital Contributions (to Plant) 2020/21</p>			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.00	0
Land - General	0	0.00	0
STRUCTURES AND IMPROVEMENTS	0	0.01	0
Source of Supply Structures	0	0.02	0
Purification	0	0.00	0
Water Treatment Plant	0	0.02	0
Distribution Reservoirs and Standpipes	0	0.04	0
Other Structures and Improvements	0	0.04	0
Other	0	0.05	0
Equipment	0	0.00	0
Electrical Equipment	0	0.05	0
Purification Equipment	0	0.05	0
Office Furniture and Equipment	0	0.05	0
Transportation Equipment	0	0.10	0
Tools and Work Equipment	0	0.10	0
Computers	0	0.05	0
Distribution Mains Equipment	0	0.05	0
Meter Shop Equipment	0	0.00	0
Other	0	0.20	0
Mains	0	0.00	0
Transmission	0	0.01	0
Distribution	0	0.0133	0
Meters	0	0.05	0
Hydrants	0	0.01	0
Services	0	0.02	0
Other	0	0.33	0
TOTAL	0		0

Landrie Lake Water Supply Utility
Calculation of Amortization on Capital Contributions (to Plant)
2021/22

	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	0.01	0
Source of Supply Structures	0	0.02	0
Purification	0	0.05	0
Water Treatment Plant	0	0.02	0
Distribution Reservoirs and Standpipes	0	0.04	0
Other Structures and Improvements	0	0.04	0
Other	0	0.05	0
Equipment	0	0.00	0
Electrical Equipment	0	0.05	0
Purification Equipment	0	0.05	0
Office Furniture and Equipment	0	0.05	0
Transportation Equipment	0	0.10	0
Tools and Work Equipment	0	0.10	0
Computers	0	0.05	0
Distribution Mains Equipment	0	0.05	0
Meter Shop Equipment	0	0.00	0
Other	0	0.20	0
Mains	0	0.00	0
Transmission	0	0.01	0
Distribution	0	0.0133	0
Meters	0	0.05	0
Hydrants	0	0.01	0
Services	0	0.02	0
Other	0	0.33	0
TOTAL	0		0

<p style="text-align: center;">Landrie Lake Water Supply Utility Calculation of Amortization on Capital Contributions (to Plant) 2022/23</p>			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.00	0
Land - General	0	0.00	0
STRUCTURES AND IMPROVEMENTS	0	0.01	0
Source of Supply Structures	0	0.02	0
Purification	0	0.00	0
Water Treatment Plant	0	0.02	0
Distribution Reservoirs and Standpipes	0	0.04	0
Other Structures and Improvements	0	0.04	0
Other	0	0.05	0
Equipment	0	0.00	0
Electrical Equipment	0	0.05	0
Purification Equipment	0	0.10	0
Office Furniture and Equipment	0	0.05	0
Transportation Equipment	0	0.05	0
Tools and Work Equipment	0	0.05	0
Computers	0	0.10	0
Distribution Mains Equipment	0	0.10	0
Meter Shop Equipment	0	0.05	0
Other	0	0.05	0
Mains	0	0.00	0
Transmission	0	0.01	0
Distribution	0	0.0133	0
Meters	0	0.05	0
Hydrants	0	0.01	0
Services	0	0.02	0
Other	0	0.33	0
TOTAL	0		0

Landrie Lake Water Supply Utility			
Calculation of rate Base and required Return on rate Base			
Years Ending March 31st			
	2020/21	2021/22	2022/23
	(Estimate)	(Estimate)	(Estimate)
RATE BASE			
Utility plant in Service March 31st	2,130,045	2,215,045	2,221,545
Less Accumulated Depreciaiton on actual cost of plant in service (Estimated)	(106,180)	(164,509)	(231,771)
Less Unamortized amount of capital contribution for plant in service	(1,978,860)	(1,929,716)	(1,871,899)
Projected Rate Base at Year End	45,005	120,820	117,875
REQUIRED RETURN			
Non-operating Expenditures (B-2)	4,755	8,243	8,243
Less Non-operating Revenue (excludes transfer from Depreciaiton)	-	-	-
Less Other Non-operating Revenue (B-2)	-	-	-
Return on Rate Base	4,755	8,243	8,243
Required Rate of Return (Req'd Return/Est Rate Base)	10.57%	6.82%	6.99%

Landrie Lake Water Supply Utility
Calculation of Revenue Required for Each Billing/Cost Category
2020/21

	Revenue Required from Metered Rates	Charge				Commodity Charge			
		Customer		Base		Delivery		Production	
Pumping, Transmission & distribution	217,084			0%	0	0%		100%	217,084
Administration and General	34,793	10%	3,479	90%	31,314	0%	0	0%	0
Depreciation	48,363			40%	19,345	30%	14,509	30%	14,509
Other	0			100%	0			0%	0
Return on Rate Base	4,755			40%	1,902	30%	1,427	30%	1,427
SUBTOTAL	304,996		3,479		52,561		15,935		233,019
TOTAL	304,996		3,479		52,561		15,935		233,019

Landrie Lake Water Supply Utility
Calculation of Revenue Required for Each Billing/Cost Category
2021/22

	Revenue Required from Metered Rates	Charge				Commodity Charge			
		Customer		Base		Delivery		Production	
Pumping, Transmission & distribution	223,597			0%	0	0%		100%	223,597
Administration and General	35,837	10%	3,584	90%	32,253	0%	0	0%	0
Depreciation	58,329			40%	23,332	30%	17,499	30%	17,499
Other	0			100%	0			0%	0
Return on Rate Base	8,243			40%	3,297	30%	2,473	30%	2,473
SUBTOTAL	326,006		3,584		58,882		19,972		243,568
TOTAL	326,006		3,584		58,882		19,972		243,568

Landrie Lake Water Supply Utility
Calculation of Revenue Required for Each Billing/Cost Category
2022/23

	Revenue Required from Metered Rates	Charge				Commodity Charge			
		Customer		Base		Delivery		Production	
Pumping, Transmission & distribution	230,304			0%	0	0%		100%	230,304
Administration and General	36,912	10%	3,691	90%	33,221	0%	0	0%	0
Depreciation	67,262			40%	26,905	30%	20,179	30%	20,179
Other	0			100%	0			0%	0
Return on Rate Base	8,243			40%	3,297	30%	2,473	30%	2,473
SUBTOTAL	342,721		3,691		63,423		22,651		252,956
TOTAL	342,721		3,691		63,423		22,651		252,956

Worksheet C-4

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Landrie Lake Water Supply Utility Service Connections and Equivalents 2020/21			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
5/8"	0	1	0
3/4"	0	1.5	0
1"	0	2.5	0
1.5"	0	5	0
2"	0	8	0
3"	0	16	0
4"	2	25	50
6"	0	50	0
8"	1	90	90
10"	2	150	300
TOTAL	5		440

Landrie Lake Water Supply Utility Service Connections and Equivalents 2021/22			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
5/8"	0	1	0
3/4"	0	1.5	0
1"	0	2.5	0
1.5"	0	5	0
2"	0	8	0
3"	0	16	0
4"	2	25	50
6"	0	50	0
8"	1	90	90
10"	2	150	300
TOTAL	5		440

Landrie Lake Water Supply Utility Service Connections and Equivalents 2022/23			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
5/8"	0	1	0
3/4"	0	1.5	0
1"	0	2.5	0
1.5"	0	5	0
2"	0	8	0
3"	0	16	0
4"	2	25	50
6"	0	50	0
8"	1	90	90
10"	2	150	300
TOTAL	5		440

**Landrie Lake Water Supply Utility
Service Connections and Equivalents
2020/21**

Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	119.46	695.87	815.33	203.83
5/8"	1	119.46	695.87	815.33	203.83
3/4"	1.5	179.19	695.87	875.05	218.76
1"	2.5	298.64	695.87	994.51	248.63
1.5"	5	597.29	695.87	1,293.16	323.29
2"	8	955.66	695.87	1,651.53	412.88
3"	16	1,911.32	695.87	2,607.19	651.80
4"	25	2,986.44	695.87	3,682.31	920.58
6"	50	5,972.88	695.87	6,668.74	1,667.19
8"	90	10,751.18	695.87	11,447.05	2,861.76
10"	150	17,918.63	695.87	18,614.50	4,653.62
TOTAL					

**Landrie Lake Water Supply Utility
Service Connections and Equivalents
2021/22**

Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	133.82	716.74	850.57	212.64
5/8"	1	133.82	716.74	850.57	212.64
3/4"	1.5	200.74	716.74	917.48	229.37
1"	2.5	334.56	716.74	1,051.30	262.83
1.5"	5	669.12	716.74	1,385.86	346.47
2"	8	1,070.59	716.74	1,787.33	446.83
3"	16	2,141.18	716.74	2,857.92	714.48
4"	25	3,345.59	716.74	4,062.33	1,015.58
6"	50	6,691.18	716.74	7,407.92	1,851.98
8"	90	12,044.12	716.74	12,760.86	3,190.22
10"	150	20,073.53	716.74	20,790.28	5,197.57
TOTAL					

**Landrie Lake Water Supply Utility
Service Connections and Equivalents
2022/23**

Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	144.14	738.25	882.39	220.60
5/8"	1	144.14	738.25	882.39	220.60
3/4"	1.5	216.21	738.25	954.46	238.62
1"	2.5	360.36	738.25	1,098.60	274.65
1.5"	5	720.72	738.25	1,458.96	364.74
2"	8	1,153.15	738.25	1,891.39	472.85
3"	16	2,306.29	738.25	3,044.54	761.13
4"	25	3,603.58	738.25	4,341.83	1,085.46
6"	50	7,207.16	738.25	7,945.40	1,986.35
8"	90	12,972.88	738.25	13,711.13	3,427.78
10"	150	21,621.47	738.25	22,359.72	5,589.93
TOTAL					

Landrie Lake Water Supply Utility Water Consumption by Block		
Meter Size	Actual Current Consumption	2020/21 Consumption
	1st Block Imp Gallons	1st Block Imp Gallons
5/8"	0	0
3/4"	0	0
1"	0	0
1.5"	0	0
2"	0	0
3"	0	0
4"	5,875,900	5,875,900
6"	0	0
8"	67,704,592	67,704,592
10"	352,119,075	352,119,075
TOTAL	425,699,567	425,699,567

Landrie Lake Water Supply Utility Water Consumption by Block		
Meter Size	2021/22 Current Consumption	2022/23 Consumption
	1st Block Imp Gallons	1st Block Imp Gallons
5/8"	0	0
3/4"	0	0
1"	0	0
1.5"	0	0
2"	0	0
3"	0	0
4"	5,875,900	5,875,900
6"	0	0
8"	67,704,592	67,704,592
10"	352,119,075	352,119,075
TOTAL	425,699,567	425,699,567

Worksheet C-7

16-Jun-20

Landrie Lake Water Supply Utility Calculation of Consumption Charge 2020/21	
NET PRODUCTION EXPENSE	BLOCK 1
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.55
NET DELIVERY EXPENSES	
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.04
TOTAL CONSUMPTION CHARGE PER 1000 Imp.Gallons	
	0.585

Landrie Lake Water Supply Utility Calculation of Consumption Charge 2021/22	
NET PRODUCTION EXPENSE	BLOCK 1
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.57
NET DELIVERY EXPENSES	
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.05
TOTAL CONSUMPTION CHARGE PER 1000 Imp.Gallons	
	0.619

Landrie Lake Water Supply Utility Calculation of Consumption Charge 2022/23	
NET PRODUCTION EXPENSE	BLOCK 1
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.59
NET DELIVERY EXPENSES	
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	0.05
TOTAL CONSUMPTION CHARGE PER 1000 Imp.Gallons	
	0.647

Landrie Lake Water Supply Utility				
Water Consumption by Block				
2020/21				
BASE CHARGE				
<u>Meter Size</u>	<u>Number</u>	<u>Base Rate</u>	<u>Dollar Revenue</u>	
5/8"	0	815.33	0	
3/4"	0	875.05	0	
1"	0	994.51	0	
1.5"	0	1,293.16	0	
2"	0	1,651.53	0	
3"	0	2,607.19	0	
4"	2	3,682.31	7,365	
6"	0	6,668.74	0	
8"	1	11,447.05	11,447	
10"	2	18,614.50	37,229	
TOTAL BASE REVENUE			56,041	
CONSUMPTION CHARGE				
	Quantity	\$/ 1,000 gallons		
1st Block	425,699,567	0.58		248,955
TOTAL CONSUMPTION REVENUE				248,955
TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION)				304,996

Landrie Lake Water Supply Utility				
Water Consumption by Block				
2021/22				
BASE CHARGE				
<u>Meter Size</u>	<u>Number</u>	<u>Base Rate</u>	<u>Dollar Revenue</u>	
5/8"	0	850.57	0	
3/4"	0	917.48	0	
1"	0	1,051.30	0	
1.5"	0	1,385.86	0	
2"	0	1,787.33	0	
3"	0	2,857.92	0	
4"	2	4,062.33	8,125	
6"	0	7,407.92	0	
8"	1	12,760.86	12,761	
10"	2	20,790.28	41,581	
TOTAL BASE REVENUE			62,466	
CONSUMPTION CHARGE				
	Quantity	\$/ 1,000 gallons		
1st Block	425,699,567	0.62		263,540
TOTAL CONSUMPTION REVENUE				263,540
TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION)				326,006

Landrie Lake Water Supply Utility				
Water Consumption by Block				
2022/23				
BASE CHARGE				
<u>Meter Size</u>	<u>Number</u>	<u>Base Rate</u>	<u>Dollar Revenue</u>	
5/8"	0	882.39	0	
3/4"	0	954.46	0	
1"	0	1,098.60	0	
1.5"	0	1,458.96	0	
2"	0	1,891.39	0	
3"	0	3,044.54	0	
4"	2	4,341.83	8,684	
6"	0	7,945.40	0	
8"	1	13,711.13	13,711	
10"	2	22,359.72	44,719	
TOTAL BASE REVENUE			67,114	
CONSUMPTION CHARGE				
	Quantity	\$/ 1,000 gallons		
1st Block	425,699,567	0.65	275,607	
TOTAL CONSUMPTION REVENUE			275,607	
TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION)			342,721	

Landrie Lake Water Supply Utility
Comparison of Current Water Rates with Proposed New Rates
2020/21

Meter Size	Average Consumption	Current Base Charge	Proposed Base Charge	Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Percent Change
	1st Block	Quarterly	Quarterly		Current	Proposed		Current	Proposed	
4"	734,488	1,252.00	920.58	-26.5%	317.30	429.54	35.4%	1,569.30	1,350.11	-14.0%
6"	-	2,504.00	1,667.19	-33.4%	-	-	0.0%	2,504.00	1,667.19	-33.4%
8"	16,926,148	4,506.00	2,861.76	-36.5%	7,312.10	9,898.64	35.4%	11,818.10	12,760.40	8.0%
10"	44,014,884	7,511.00	4,653.62	-38.0%	19,014.43	25,740.50	35.4%	26,525.43	30,394.13	14.6%

Landrie Lake Water Supply Utility
Comparison of Current Water Rates with Proposed New Rates
2021/22

Meter Size	Average Quarterly Consumption	Current Base Charge	Proposed Base Charge	Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Percent Change
	1st Block	Quarterly	Quarterly		Current	Proposed		Current	Proposed	
4"	734,488	920.58	1,015.58	10.3%	429.54	454.70	5.9%	1,350.11	1,470.29	8.9%
6"	-	1,667.19	1,851.98	0.0%	-	-	0.0%	1,667.19	1,851.98	11.1%
8"	16,926,148	2,861.76	3,190.22	11.5%	9,898.64	10,478.55	5.9%	12,760.40	13,668.77	7.1%
10"	44,014,884	4,653.62	5,197.57	11.7%	25,740.50	27,248.50	5.9%	30,394.13	32,446.07	6.8%

Landrie Lake Water Supply Utility
Comparison of Current Water Rates with Proposed New Rates
2022/23

Meter Size	Average Quarterly Consumption	Current Base Charge	Proposed Base Charge	Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Percent Change
	1st Block	Quarterly	Quarterly		Current	Proposed		Current	Proposed	
4"	734,488	1,015.58	1,085.46	6.9%	454.70	475.52	4.6%	1,470.29	1,560.98	6.2%
6"	-	1,851.98	1,986.35	7.3%	-	-	0.0%	1,851.98	1,986.35	7.3%
8"	16,926,148	3,190.22	3,427.78	7.4%	10,478.55	10,958.36	4.6%	13,668.77	14,386.14	5.2%
10"	44,014,884	5,197.57	5,589.93	7.5%	27,248.50	28,496.21	4.6%	32,446.07	34,086.14	5.1%

Landrie Lake Water Supply Utility
Comparative Statement of Operations

Fiscal Years ending March 31st

	Projection Using Proposed Rates		
	2020/21 Test Yr 1	2021/22 Test Yr 2	2022/23 Test Yr 3
OPERATING REVENUES			
Metered Sales	304,996	326,006	342,721
Other Income	0	0	0
Total	304,996	326,006	342,721
OPERATING EXPENDITURES			
Pumping, Transmission & Distribution	217,084	223,597	230,304
Administration and General	34,793	35,837	36,912
Depreciation	48,363	58,329	67,262
Taxes	0	0	0
Total	300,240	317,763	334,479
OPERATING PROFIT (LOSS)			
NON-OPERATING REVENUES			
Transfer from Depreciation	0	0	0
Interest on Overdue accounts	0	0	0
Other	0	0	0
Total	0	0	0
NON-OPERATING EXPENDITURES			
Debt Charges - Principal	0	0	0
Debt Charges - Interest	0	0	0
New Debt - Principal	2,655	2,815	2,984
New Debt - Interest	2,100	1,941	1,772
New Debt - Principal	0	1,087	1,153
New Debt - Interest	0	2,400	2,335
Interest and Bank charges	0	0	0
Interest Paid on consumer deposits	0	0	0
Capital out of Revenue	0	0	0
Owners Return on Rate Base	0	0	0
Total	4,755	8,243	8,243
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	0	0	0

Appendix 1
Loan Calculator
Long Term Debt
2020/21

Interest Rate	6.0%
Term in years	10
Capital \$	35,000

Payment Schedule

	Principal	Interest	Total	Balance
Year				
1	\$2,655.38	2,100.00	4,755.38	32,344.62
2	\$2,814.70	1,940.68	4,755.38	29,529.92
3	\$2,983.58	1,771.80	4,755.38	26,546.34
4	\$3,162.60	1,592.78	4,755.38	23,383.74
5	\$3,352.35	1,403.02	4,755.38	20,031.38
6	\$3,553.50	1,201.88	4,755.38	16,477.89
7	\$3,766.71	988.67	4,755.38	12,711.18
8	\$3,992.71	762.67	4,755.38	8,718.48
9	\$4,232.27	523.11	4,755.38	4,486.21
10	\$4,486.21	269.17	4,755.38	(0.00)

Loan Calculator
Long Term Debt
2021/22

Interest Rate	6.0%
Term in years	20
Capital \$	40,000

Payment Schedule

	Principal	Interest	Total	Balance
Year				
1	\$1,087.38	2,400.00	3,487.38	38,912.62
2	\$1,152.63	2,334.76	3,487.38	37,759.99
3	\$1,221.78	2,265.60	3,487.38	36,538.21
4	\$1,295.09	2,192.29	3,487.38	35,243.12
5	\$1,372.80	2,114.59	3,487.38	33,870.33
6	\$1,455.16	2,032.22	3,487.38	32,415.16
7	\$1,542.47	1,944.91	3,487.38	30,872.69
8	\$1,635.02	1,852.36	3,487.38	29,237.67
9	\$1,733.12	1,754.26	3,487.38	27,504.55
10	\$1,837.11	1,650.27	3,487.38	25,667.44
11	\$1,947.34	1,540.05	3,487.38	23,720.10
12	\$2,064.18	1,423.21	3,487.38	21,655.92
13	\$2,188.03	1,299.36	3,487.38	19,467.90
14	\$2,319.31	1,168.07	3,487.38	17,148.59
15	\$2,458.47	1,028.92	3,487.38	14,690.12
16	\$2,605.97	881.41	3,487.38	12,084.15
17	\$2,762.33	725.05	3,487.38	9,321.81
18	\$2,928.07	559.31	3,487.38	6,393.74
19	\$3,103.76	383.62	3,487.38	3,289.98
20	\$3,289.98	197.40	3,487.38	(0.00)

Loan Calculator
Long Term Debt
2022/23

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

Payment Schedule for Capital Works

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

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

SCHEDULE "A"
LANDRIE LAKE WATER UTILITY
SCHEDULE OF RATES FOR WATER AND WATER SERVICES

(Effective for water supplied on and after 1 October, 2020)

RATES

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

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

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

In this Schedule, the word "Utility" means the Landrie Lake Water Utility.

1. RATES:

<u>(a) Base Charges</u>	<u>Monthly</u>	<u>Quarterly</u>
Size of Meter		
5/8"	67.94	203.83
3/4"	72.92	218.76
1"	82.88	248.63
1.5"	107.76	323.29
2"	137.63	412.88
3"	217.27	651.80
4"	306.86	920.58
6"	555.73	1,667.19
8"	953.92	2,861.76
10"	1,551.21	4,653.62

(b) Consumption Rate (per 1,000 imp. gallons)
\$0.585 per 1,000 imp. gallons

(c) Minimum Bill

The minimum bill shall be the Base Charge.

2. 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

3. WATER FOR BUILDINGS OR WORKS UNDER CONSTRUCTION

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

4. PRIVATE HYDRANT RATES

Per hydrant per year \$200.00.

5. CHARGES FOR RE-ESTABLISHING WATER SERVICE

When water service has been suspended for any violation of the Rules and Regulations of the Utility, such water service shall not be re-established until a reconnection charge of \$50.00 has been paid to the Utility. If reconnection is outside of regular working hours, the charge is \$200.00.

6. NEW ACCOUNT CREATION FEE

The Utility shall charge a \$50.00 fee for the creation of a water account, notwithstanding the fact that no physical disconnection of the system may have occurred. The fee shall be \$100.00 when a meter is installed or water is turned on. The fee shall be \$200.00 if this occurs after the normal hours of the Utility.

7. CONNECTION FEE

The Utility shall charge a \$50.00 fee for whenever a customer, for any reason, requests water be turned on at any premises. This fee shall be \$200.00 if water is turned on after regular working hours of the Utility.

8. DISCONNECTION FEE

Whenever a customer, for any reason, requests that the water be turned off from any premises, a charge of \$50.00 shall be made for turning off the water, and no additional charge shall be made for turning it on again when this is requested unless such request is after regular working hours of the Utility when a fee of \$200.00 shall apply.

9. CHARGE FOR NON-NEGOTIABLE CHEQUES

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

10. 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.

SCHEDULE "B"
LANDRIE LAKE WATER UTILITY
SCHEDULE OF RATES FOR WATER AND WATER SERVICES

(Effective for water supplied on and after 1 April, 2021)

RATES

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

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

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

In this Schedule, the word "Utility" means the Landrie Lake Water Utility.

1. RATES:

<u>(a) Base Charges</u>	<u>Monthly</u>	<u>Quarterly</u>
Size of Meter		
5/8"	70.88	212.64
3/4"	76.46	229.37
1"	87.61	262.83
1.5"	115.49	346.47
2"	148.94	446.83
3"	238.16	714.48
4"	338.53	1,015.58
6"	617.33	1,851.98
8"	1,063.41	3,190.22
10"	1,732.52	5,197.57

(b) Consumption Rate (per 1,000 imp. gallons)
\$0.619 per 1,000 imp. gallons

(c) Minimum Bill

The minimum bill shall be the Base Charge.

2. 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

3. WATER FOR BUILDINGS OR WORKS UNDER CONSTRUCTION

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

4. PRIVATE HYDRANT RATES

Per hydrant per year \$200.00.

5. CHARGES FOR RE-ESTABLISHING WATER SERVICE

When water service has been suspended for any violation of the Rules and Regulations of the Utility, such water service shall not be re-established until a reconnection charge of \$50.00 has been paid to the Utility. If reconnection is outside of regular working hours, the charge is \$200.00.

6. NEW ACCOUNT CREATION FEE

The Utility shall charge a \$50.00 fee for the creation of a water account, notwithstanding the fact that no physical disconnection of the system may have occurred. The fee shall be \$100.00 when a meter is installed or water is turned on. The fee shall be \$200.00 if this occurs after the normal hours of the Utility.

7. CONNECTION FEE

The Utility shall charge a \$50.00 fee for whenever a customer, for any reason, requests water be turned on at any premises. This fee shall be \$200.00 if water is turned on after regular working hours of the Utility.

8. DISCONNECTION FEE

Whenever a customer, for any reason, requests that the water be turned off from any premises, a charge of \$50.00 shall be made for turning off the water, and no additional charge shall be made for turning it on again when this is requested unless such request is after regular working hours of the Utility when a fee of \$200.00 shall apply.

9. CHARGE FOR NON-NEGOTIABLE CHEQUES

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

10. 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.

SCHEDULE "C"
LANDRIE LAKE WATER UTILITY
SCHEDULE OF RATES FOR WATER AND WATER SERVICES

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

RATES

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

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

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

In this Schedule, the word "Utility" means the Landrie Lake Water Utility.

1. **RATES:**

(a) <u>Base Charges</u>	<u>Monthly</u>	<u>Quarterly</u>
Size of Meter		
5/8"	73.53	220.60
3/4"	79.54	238.62
1"	91.55	274.65
1.5"	121.58	364.74
2"	157.62	472.85
3"	253.71	761.13
4"	361.82	1,085.46
6"	662.12	1,986.35
8"	1,142.59	3,427.78
10"	1,863.31	5,589.93

(b) Consumption Rate (per 1,000 imp. gallons)
\$0.647 per 1,000 imp. gallons

(c) Minimum Bill

The minimum bill shall be the Base Charge.

2. 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

3. WATER FOR BUILDINGS OR WORKS UNDER CONSTRUCTION

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

4. PRIVATE HYDRANT RATES

Per hydrant per year \$200.00.

5. CHARGES FOR RE-ESTABLISHING WATER SERVICE

When water service has been suspended for any violation of the Rules and Regulations of the Utility, such water service shall not be re-established until a reconnection charge of \$50.00 has been paid to the Utility. If reconnection is outside of regular working hours, the charge is \$200.00.

6. NEW ACCOUNT CREATION FEE

The Utility shall charge a \$50.00 fee for the creation of a water account, notwithstanding the fact that no physical disconnection of the system may have occurred. The fee shall be \$100.00 when a meter is installed or water is turned on. The fee shall be \$200.00 if this occurs after the normal hours of the Utility.

7. CONNECTION FEE

The Utility shall charge a \$50.00 fee for whenever a customer, for any reason, requests water be turned on at any premises. This fee shall be \$200.00 if water is turned on after regular working hours of the Utility.

8. DISCONNECTION FEE

Whenever a customer, for any reason, requests that the water be turned off from any premises, a charge of \$50.00 shall be made for turning off the water, and no additional charge shall be made for turning it on again when this is requested unless such request is after regular working hours of the Utility when a fee of \$200.00 shall apply.

9. CHARGE FOR NON-NEGOTIABLE CHEQUES

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

10. 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.

SCHEDULE D
RULES AND REGULATIONS

**LANDRIE LAKEWATER UTILITY
SCHEDULE OF RULES AND REGULATIONS
GOVERNING THE SUPPLY OF WATER AND WATER SERVICES
(1 October 2020)**

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

“Utility” means the Landrie Lake Water Utility owned by the Town of Port Hawkesbury and the Municipality of the County of Richmond

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

“Unmetered Service” means the type of unmetered service charged for at flat rates.

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

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

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

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

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

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

3. **DEPOSITS:** When required, an applicant for service shall deposit with the Utility a sum equal to the estimated charges for such service for a period of six months. The estimated charges will be based on the minimum bill for metered customers. This deposit shall be held by the Utility as collateral security for the payment of the customer's bills, but is not to be considered as a payment on account thereof. When the customer ceases to use the service and discharges all of the

customer's liability to the utility in respect of such service, the deposit shall be returned to the customer with interest at the rate of 2% per annum, not compounded.

4. **REFUSAL OF SERVICE:** Service may be refused or suspended to any customer who has failed to discharge all of the customer's liabilities to the Utility.
5. **BILLING:** If a contract is entered into or terminated at any time other than a regular billing date, the amount to be charged to the customer shall be the pro rata proportion to the next billing date, of the regular service charge for the billing period, plus the consumption charge, if any.

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

6. **PAYMENT OF BILLS:** Bills shall be rendered to each customer at intervals of approximately three months and are due and payable when rendered. Bills not paid within 30 days of the date rendered, shall incur an interest charge at the prescribed monthly rate for each month or part thereof.
7. **ADJUSTMENT OF BILLS:**

- (a) Where meters exist - If the seal of a meter is broken or if a meter does not register correctly, the bill for that water service shall be estimated in accordance with the best data available. Any customer desiring to question a water bill must do so in writing within 30 days of the bill being rendered.
- (b) Customers Under billed - Should it be necessary for the Utility to make a billing adjustment as a result of a customer being under billed for any reason, such adjustment shall be retroactive for a maximum of four billing periods or one year, whichever is the longest. Notwithstanding the above, in the event that a billing adjustment is the result of the customer's illegal connection to the water system or willful interference or damage of metering equipment (where they exist), the billing adjustment in such circumstances will not be limited to one year or four billing periods, but rather the customer shall be responsible for all payments of such accounts from the date such illegal connection or interference to meter equipment took place.
- (c) Customer Over billed – Notwithstanding 7 (a) above, in the event a customer has been billed in error for a Service they did not receive, the Utility will reimburse such customer the amount billed to and paid by the customer, together with interest calculated as simple interest paid on savings accounts by the Utility's bank, respecting the period during which the customer was incorrectly billed by the Utility, such period not to exceed five years.

8. **ESTIMATED READINGS FOR BILLING PURPOSES - METERED CUSTOMERS:** If the Utility is unable to obtain a meter reading for billing purposes, after exercising due diligence in the usual practice of meter reading, the bill for that service shall be estimated in accordance with the best data available, subject, however, to the provision that in no circumstance will an estimated reading be used for more than two (2) consecutive billing periods. If an estimated bill is rendered for two (2) consecutive billing periods, the Utility shall notify the customer by regular mail that

arrangements must be made for the Utility to obtain a reading and failing such arrangements, the Utility may suspend service until such arrangements are made. When such meter reading has been obtained the previous estimated bill or bills shall be adjusted accordingly.

9. **SUSPENSION OF SERVICE FOR NON PAYMENT BILLS:** The Utility shall have the right to enter onto customers' premises within reasonable hours to suspend service to customers whose bills remain unpaid for more than forty calendar days after the date rendered.
10. **WATER TO BE SUPPLIED BY METER:** The Utility may at any time install a meter on the premises of any customer. The Utility shall determine the size and type of meter to be installed in each case. All meters shall be the property of the Utility.
11. **INSTALLATION AND REMOVAL OF METERS:** Meters shall be installed and removed only by employees or duly authorized representatives of the Utility and no other person shall install, alter, change or remove a meter without the written permission of the Utility. The plumbing and connections shall be properly prepared to receive the installation of such meters to the approval of and without expense to the Utility.
12. **METER READERS:** Each meter reader shall be provided with an official identification, which he/she shall exhibit on request.
13. **ACCESS TO CUSTOMER'S PREMISES:** Representatives of the Utility shall have right of access to all parts of a customer's property or premises at all reasonable hours for the purpose of inspecting any water pipes or fittings, or appliances, or discontinuing service, or for the purpose of installing, removing, repairing, reading or inspecting meters. The Utility shall have the right to suspend service to any customer who refuses such access.
14. **LOCATION OF METERS:** The Utility shall have the right to refuse service to, or suspend the service of, any customer who does not provide a place which, in the opinion of the Utility, is suitable for the meter. It should be in the building served, at or near the point of entry of the service pipe, in a place where it can be easily read and where it will not be exposed to freezing temperatures.

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

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

16. **METER TESTING.** On the request to have their meter tested, the Utility may charge the sum of \$50.00 to defray, in part, the cost of making the test for meters up to 1 ½ inch in size. In the case of meters 1-1/2 inches and larger, the actual cost of the test will be paid by the customer. If the test shows that the meter is over registering by more than one and one half percent (1 ½%) for positive displacement meters and three percent (3%) for turbine or compound meters, the sum so deposited will be refunded to the customer.
17. **PLUMBING TO BE SATISFACTORY:** All plumbing, pipes and fittings, fixtures, and other devices for conveying, distributing, controlling, or utilizing water which are used by a customer and are not the property of the Utility, shall be installed in the manner provided by the Regulations of and be approved by the proper official of the 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 and/or the operator of the Utility, the plumbing, pipes, fittings, fixtures, or other devices as hereinbefore mentioned, or any of them, fail to comply with the above requirements, or if any part of the water system of such customer or the meter is in any unsuitable, dirty, unsanitary or inaccessible place. Service shall not be re-established until such condition is corrected to the satisfaction of the Utility.
18. **REMOTE REGISTERING WATER METERS:** When a remote registering water meter is installed on a customer's premises under a general outside register installation program of the Utility, then the cost of the meter and its installation shall be paid by the Utility. The meter shall become the property of the Utility which shall become responsible for its operation, maintenance and replacement. Any damage to the meter caused by the negligence or wrongful acts or omissions by the customer, the customer's agents or members of the customer's family, shall be paid for by the customer, and the failure by the customer to make the payment shall entitle the Utility, after making a forty day written demand for the payment, to disconnect the water service to the customer.
19. **CROSS CONNECTION CONTROL & BACKFLOW PREVENTION:**
- (a) No owner, consumer, customer or other person hereinafter collectively referred to in this rule and regulation as "person" shall connect, cause to be connected, or allow to remain connected to the water system, or plumbing installation, without the express written consent of the Utility, any piping fixtures, fittings container or appliance in a manner which, under any circumstances, may allow water, wastewater, or any other liquid, chemical or substance, to ingress or egress the water system.
- (b) Where, in the opinion of the Utility, there may be a risk of contamination to the potable water system, notwithstanding the provisions of subparagraph (a), the Utility may require the customer, at the customers sole cost and expense, to install at any point on the customers water service connection or water service pipe, one or more backflow prevention (BFP) devices, which devices shall be of a quality and type approved by the Utility.
- (c) All BFP devices shall be maintained in good working order. Such devices must be inspected and tested by a certified tester, approved by the Utility, at the expense of the customer. Such inspections shall take place upon installation, and thereafter annually, or more often if required by

the Utility. The customer shall submit a report in a form approved by the Utility on any or all tests performed on a BFP device within 30 days of a test. A record card shall be displayed on or adjacent to the BFP device on which the tester shall record the name and address of the owner of the device; the location, type, manufacturer, serial number and size of the device; and the test date, the tester's initials, the tester's name, the name of the tester's employer, and the tester's license number.

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

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

(i) suspend water service to such person, or

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

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

The Utility shall supply and install the 3/4" service pipe and fittings between the main pipe and the street line. The necessary excavation for the installation of the service pipe, backfilling and

replacement of the street and sidewalk surfaces from the water main in the street to the street-line shall be carried out by the Utility and paid for by the applicant. The applicant shall be responsible for the excavation and the supply and installation of the service pipe including restoration from the street-line to the premise and all such work shall be carried out without cost to the Utility.

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

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

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

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

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

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

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

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

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

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

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

reducing valve at all time.

34. **PRESSURE RELIEF VALVES:** Whenever a pressure reducing valve has been installed by a customer in accordance with Regulation 33, the customer shall, for his/her own safety and protection, install on his/her hot water boiler and any other hot water heating device connected to the building's plumbing system, a pressure relief valve of an approved type, as well as an approved temperature limiting device. It shall be the customer's responsibility to maintain and keep in service the pressure relief valve at all times.
35. **DEPOSITS IN ADVANCE:** When a customer requests the Utility to do work for which they are required to pay and the Utility agrees to do the work, the Utility may require, before the work is started, a sum of money equal to the Utility's estimate of the probable cost of said work. When the actual cost is determined an adjustment in the payment shall be made. Regular service shall not be established by the Utility until all charges are paid in full.