

ORIGINAL

RECEIVED
JAN 14 2011

Nova Scotia
Utility and Review Board

**Canning Water Utility
Water Rate Study**

Prepared By

G. A. Isenor Consulting Limited

in Association with

W. H. Gates Utility Consultants Ltd

10-Jan-11

INDEX

NOTES TO WORKSHEETS

WORKSHEETS B-1 TO D-2

SCHEDULES A, B, AND C – RATES AND CHARGES

SCHEDULE D – PROPOSED RULES AND REGULATIONS

CANNING WATER UTILITY 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 09/10 (actual) and 10/11 (estimated) as provided by the Utility.

Operating Revenues - The operating revenue for 11/12, 12/13 and 13/14 is based on the Utility's budget. The revenue is based on having 25 new permanent customers and 17 new seasonal customers in 11/12, 4 new permanent customers and 8 new seasonal customers in 12/13 and 4 new permanent customers and 5 new seasonal customers in 13/14. The fire protection rate is based on the 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 not any non-operating revenue projected during the test years.

Non-operating Expenditures – The non-operating expenditures include interest and principal on the existing debt as well as the new debt for planned capital spending in 10/11 as well as a dividend to the owner in 12/13 and 13/14.

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

Worksheet B-2

This worksheet takes the information from Worksheet B-1 to develop revenue requirements for the years for 11/12, 12/13 and 13/14.

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

This worksheet provides the breakdown of the estimated operating expenditures for the year 10/11. The projected expenditures for the years 11/12, 12/13 and 13/14 are based on the budgets provided by the Utility for the year 10/11 plus 3% for inflation with the exception of Power and Chemicals which have been increased by 10% in 2011/12 and 5% in 2012/13 to allow for the recent volatility in the cost of these two items. The additional cost of power and pumping, water treatment and transmission and Distribution to the Kingsport extension has been calculated based on the volume of water projected to be need for that area. Due

to the low number of customer connections to date the calculation includes an allowance for flushing based on a projected average need of 2,000 imp gallons per day in addition to the water sold to customers.

Increased cost for Kingsport	2011/12	2012/13	2013/14
New Permanent Customers	25	29	33
New Seasonal Customers	17	25	30
Ave usage/permanent cust.	43,035	43,035	43,035
Ave usage/seasonal cust (30%)	12,910	12,910	12,910
Projected water sold new cust.	1,295,343	1,570,765	1,807,455
Flushing water allowance	730,000	454,578	217,888
Total for Kingsport Expansion	2,025,343	2,025,343	2,025,343
Total for Canning (existing)	20,114,483	20,114,483	20,114,483
Percentage increase	10.1%	10.1%	10.1%

This percentage was applied to the total estimated operational costs for the above items as a separate line item in Worksheet 2a/2b/2c/2d/2e.

In the case of Administration and General the projected increased cost was based on 50% of the projected increase in the number of customers. The number of customers was used to reflect the increased costs of billing and collection. 50% was used as many of the costs are not impacted by the addition of the Kingsport area. The calculation of the percentage increase is as follows:

Increased cost for Kingsport	2011/12	2012/13	2013/14
New Customers	42	54	63
Existing Customers	434	434	434
Percentage increase	9.7%	12.4%	14.5%
Increase caused by Kingsport	50%	50%	50%

Worksheet B-3

This worksheet calculates the depreciation per year and the depreciation fund balance based on the proposed capital works for the years 09/10, 10/11, 11/12, 12/13 and 13/14. The depreciation fund balance as shown in year 2009/10 is based on information provided by the Utility. The depreciation for the contributed assets for the Kingsport extension have been calculated based on 80% of the value. This percentage was selected to give comparable rates for the average 5/8" customer to those that were projected without the Kingsport addition.

Worksheet B-4

This worksheet is used to allow for the known and projected capital contributions.

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. The Depreciation expense has been distributed 40% to base and 30% to delivery and 30% to production to reflect the distribution of the Return on Rate Base.

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. The projected growth in the system relates to the expansion to the Kingsport area as noted in the notes to Worksheet 2a/2b/2c/2d/2e above.

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 the current year is based on information provided by the Utility. The rate study is based on replacing the existing 3 block rate structure with a single block rate structure. The consumption rate for new permanent customers is based on the average consumption rate for the existing customers with a similar meter size while the consumption rate for the new seasonal 5/8" customers is estimated to be 30% of the consumption for an existing permanent 5/8" customer as noted in the notes to Worksheet 2a/2b/2c/2d/2e above.

Worksheet C-7

This worksheet uses information from Worksheet's C-3 and C-6 to calculate the consumption charge for years 11/12, 12/13 and 13/14 based on a single block rate.

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.

Appendix

The appendix sets out the loan repayment schedule for the proposed capital works.

WORKSHEETS B-1 TO D-2

Canning Water Utility
Comparative Statement of Operations

Fiscal Years ending March 31st

	2009/10 (Actual)	2010/11 (Budget)	Projection Using Current Rates		
			2011/12 Test	2012/13 Test	2013/14 Test
OPERATING REVENUES					
Flat Rate Sales	0	0	0	0	0
Metered Sales	143,538	145,000	158,200	161,600	164,300
Public Fire Protection	61,332	61,332	61,332	61,332	61,332
Sprinkler Service and Private Hydrants	0	0	0	0	0
Miscellaneous	0	500	500	500	500
Other	1,832	800	800	800	800
Total	206,702	207,632	220,832	224,232	226,932
OPERATING EXPENDITURES					
Source of Supply	0	0	0	0	0
Power and Pumping	13,511	17,012	20,365	21,315	21,954
Water Treatment	20,474	25,858	29,570	30,537	31,453
Transmission and Distribution	25,266	26,946	30,549	31,466	32,410
Administration and General	58,711	66,797	72,186	75,332	78,349
Depreciation	56,181	63,072	86,271	103,369	103,666
Other - Studies and Reports	0	0	0	0	0
Taxes	0	0	0	0	0
Total	174,143	199,685	238,941	262,019	267,832
OPERATING PROFIT (LOSS)	32,559	7,947	-18,109	-37,787	-40,900
NON-OPERATING REVENUES					
Interest and other income	0	0	0	0	0
Depreciation Fund	0	0	0	0	0
Other- connection charge	0	0	0	0	0
Total	0	0	0	0	0
NON-OPERATING EXPENDITURES					
Debt Charges - Principal and Interest	0	8,000	8,000	8,000	8,000
Debt Charges - Interest	0	0	0	0	0
New Debt - Principal	0	0	0	1,087	1,153
New Debt - Interest	0	0	0	2,400	2,335
Permit Fee	0	0	0	0	0
Debt Charges	2,539	3,000	3,000	3,000	3,000
Capital out of Revenue	0	0	0	0	0
Dividend to Owner	0	0	0	8,000	25,000
Total	2,539	11,000	11,000	22,487	39,487
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	30,020	-3,053	-29,109	-60,274	-80,387
SURPLUS AT BEGINNING OF YEAR	-146,333	-116,313	-119,366	-148,475	-208,749
ACCUMULATED SURPLUS (DEFICIT)	-116,313	-119,366	-148,475	-208,749	-289,137

Canning Water Utility				
Statement of Operating Expenditures and Revenue Requirements				
	2010/11 (Budget)	2011/12 Test	2012/13 Test	2013/14 Test
OPERATING EXPENDITURES				
Source of Supply	0	0	0	0
Power and Pumping	17,012	20,365	21,315	21,954
Water Treatment	25,858	29,570	30,537	31,453
Transmission and Distribution	26,946	30,549	31,466	32,410
Administration and General	66,797	72,186	75,332	78,349
Depreciation	63,072	86,271	103,369	103,666
Other	0	0	0	0
Taxes	0	0	0	0
Total	199,685	238,941	262,019	267,832
NON OPERATING EXPENSES				
Debt Charges - Principal	8,000	8,000	8,000	8,000
Debt Charges - Interest	0	0	0	0
New Debt - Principal	0	0	1,087	1,153
New Debt - Interest	0	0	2,400	2,335
Permit Fee	0	0	0	0
Debt Charges	3,000	3,000	3,000	3,000
Capital out of Revenue	0	0	0	0
Dividend to Owner	0	0	8,000	25,000
Total	11,000	11,000	22,487	39,487
LESS NON-OPERATING REVENUES				
Interest and other income	0	0	0	0
Transfer from Depreciation Fund	0	0	0	0
Other- Interest on Depreciation account	0	0	0	0
Total	0	0	0	0
LESS OTHER OPERATING REVENUE				
Sundry and Overdue Accounts	800	800	800	800
Miscellaneous	500	500	500	500
Sprinkler Service and Private Hydrants	0	0	0	0
Total	1,300	1,300	1,300	1,300
REVENUE REQUIRED FROM FIRE PROTECTION AND WATER CUSTOMERS				
	209,385	248,641	283,206	306,019

10-Jan-11

Canning Water Utility				
Statement of Operating Expenditures				
	2010/11 (Actual)	2011/12 Budget	2012/13 Budget	2013/14 Budget
SOURCE OF SUPPLY				
Supervision and Engineering	0	0	0	0
Operation Labour	0	0	0	0
Pump Septic system	0	0	0	0
Vehicals Maintenance and leasing	0	0	0	0
Operation Supplies & Expenses	0	0	0	0
Maintenance of Source of Supply Plant	0	0	0	0
Maintenance of Impounding Reservoirs	0	0	0	0
Maintenance of Intakes	0	0	0	0
Maintenance of Wells and Springs	0	0	0	0
Maintenance of Other Source Structures	0	0	0	0
Base Rate	0	0	0	0
Other	0	0	0	0
TOTAL SOURCE OF SUPPLY	0	0	0	0
	0	0	0	0
POWER AND PUMPING				
Supervision and Engineering				
Operation Labour	0	0	0	0
Fuel	3,012	3,102	3,195	3,291
Power and pumping	14,000	15,400	16,170	16,655
Maintenance of Pumping Plant	0	0	0	0
Maintenance of Structures	0	0	0	0
Maintenance of Equipment	0	0	0	0
Supplies and Expenses	0	0	0	0
Other - Increase for Kingsport	0	1,863	1,950	2,008
TOTAL POWER AND PUMPING	17,012	20,365	21,315	21,954
WATER TREATMENT				
Supervision and Engineering				
Operation Labour	15,058	15,510	15,975	16,454
Power	0	0	0	0
Operation Supplies and Expenses	0	0	0	0
Chemical Additives	3,300	3,630	3,812	3,926
CO2 Bulk Storage Rental	0	0	0	0
Maintenance of Treatment Plant	0	0	0	0
Maintenance of Structures	0	0	0	0
Maintenance of Equipment	0	0	0	0
Snow removal	0	0	0	0
Supplies and Expenses	0	0	0	0
Other - Water Testing	7,500	7,725	7,957	8,195
Other - Increase for Kingsport	0	2,705	2,793	2,877
TOTAL WATER TREATMENT	25,858	29,570	30,537	31,453

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

TRANSMISSION AND DISTRIBUTION				
Supervision and Engineering				
Maps and Records	0	0	0	0
Operation Labour	0	0	0	0
Operation Labour-Mains	12,046	12,408	12,780	13,163
Operation Labour-Meters	0	0	0	0
Operation Labour-Services	0	0	0	0
Operation Labour-Hydrants	0	0	0	0
Maintenance of Transmission and Dist.				
Maintenance of Dist. Reservoirs & Standpipes	0	0	0	0
Maintenance - Structures	0	0	0	0
Maintenance of Mains	0	0	0	0
Maintenance of Other Dist Plant	2,800	2,884	2,971	3,060
Maintenance of Services	0	0	0	0
Maintenance of Meters	9,300	9,579	9,866	10,162
Maintenance of Hydrants	400	412	424	437
Transportation Expenses	2,000	2,060	2,122	2,185
Leak Testing	0	0	0	0
Testing	0	0	0	0
Shop Expenses	0	0	0	0
Other	400	412	424	437
Other - Increase for Kingsport		2,795	2,878	2,965
TOTAL TRANSMISSION AND DISTRIBUTION	26,946	30,549	31,466	32,410
ADMINISTRATION AND GENERAL				
Consumer Accounting and Collection				
Supervision	0	0	0	0
Meter Reading	0	0	0	0
Consumer Billing and Accounting	900	980	1,009	1,040
Collection	0	0	0	0
Uncollectible Accounts	950	979	1,008	1,038
Other - Contract Services	0	0	0	0
Salaries				
Officers and Executive Salaries	0	0	0	0
General Office Salaries	21,047	21,678	22,329	22,999
Secretary Salary	0	0	0	0
Water Department Sick time	0	0	0	0
Pension - Eckler	0	0	0	0
WCB	0	0	0	0
CPP	0	0	0	0
EI	0	0	0	0
Group Insurance	0	0	0	0
General Office Expense				
General Officers Expense	0	0	0	0
General Office Employees Expense	11,800	12,154	12,519	12,894
General Office Expense and Supplies	0	0	0	0
Training, Travel and Memberships	0	0	0	0
Advertising	0	0	0	0
Telephone/cell phone	0	0	0	0
Professional Fees				
Auditors	6,000	6,180	6,365	6,556
Legal	0	0	0	0
Bank Charges	0	0	0	0
Regulatory Expenses				
Insurance	15,000	15,450	15,914	16,391
Rents of General Property	11,000	11,330	11,670	12,020
Misc and General -	100	103	106	109
Other - Write off Ship supplies	0	0	0	0
Other - 50 % Increase for Kingsport	0	3,332	4,412	5,302
TOTAL ADMINISTRATION AND GENERAL	66,797	72,186	75,332	78,349

10-Jan-11

Canning Water Utility					
Calculation of Depreciation of Tangible Plant at Total Cost					
2009/10					
	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation Rate for 2009/10	56,181
LAND AND LAND RIGHTS					
Source of Supply Land	0				0
Land - General					0
STRUCTURES AND IMPROVEMENTS					0
Source of Supply Structures	0	0	0	0.02	0
Power and Pumping Structures	0		0	0.04	0
Purification	0	0	0	0.05	0
Distribution Reservoirs and Standpipes	0	0	0	0.0133	0
Water Treatment Plant	0	0	0	0.02	0
General	0	0	0	0.04	0
Other	0	0	0	0.05	0
Equipment			0		0
Electrical Pumping	22,204	0	22,204	0.05	1,110
Purification Equipment	0	0	0	0.05	0
Office Furniture and Equipment			0		0
Transportation Equipment	0	0	0	0.1	0
Tools and Work Equipment	0		0	0.2	0
Backwash Piping	0		0	0.02	0
Distribution Mains Equipment			0		0
Meter Shop Equipment	0	0	0	0	0
Other Equipment	0	0	0	0.05	0
Mains			0		0
Transmission	0	0	0	0.0133	0
Distribution	2,581	0	2,581	0.0133	34
Meters	2,769	0	2,769	0.05	138
Hydrants	0	0	0	0.0133	0
Other	0	0	0	0.05	0
Services	144	0	144	0.02	3
Other - Water Sampling	0	0	0	0.2	0
TOTAL	27,698	0	27,698	1	1,286
Source of Funding					
Infrastructure and Gas Tax	0			Depreciation Fund Balance beginning of year	16,553
Depreciation fund	27,698			Interest on Fund balance	331
Long Term debt	0			Transfer from Depreciation	27,698
Capital out of revenue	0			Fund balance before expenditures	73,065
TOTAL	27,698			Balance after expenditures	45,367

Canning Water Utility					
Calculation of Depreciation of Tangible Plant at Total Cost					
2010/11					
	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation Rate for 2010/11	63,072
LAND AND LAND RIGHTS					
Source of Supply Land	0		0		0
Land - General	0		0		0
STRUCTURES AND IMPROVEMENTS					
Source of Supply Structures	0		0	0	0
Power and Pumping Structures	0		0	0.05	0
Purification	0		0	0.05	0
Distribution Reservoirs and Standpipes	792,000	660,000	132,000	0.0133	10,534
Water Treatment Plant	0	0	0		0
General - Watershed Study	0	0	0	0.05	0
Other - demolition of Old Reservoir	0	0	0	0.1	0
Equipment	0		0		0
Electrical Pumping	0	0	0	0.05	0
Purification Equipment	0	0	0	0.05	0
Office Furniture and Equipment	0		0		0
Transportation Equipment	0	0	0	0.1	0
Tools and Work Equipment	0		0	0.2	0
Backwash Piping	0		0	0.05	0
Distribution Mains Equipment	0		0		0
Meter Shop Equipment	0	0	0	0	0
Other - Meter Reading Equipment	0	0	0	0.1	0
Mains	0		0		0
Transmission	0	0	0	0.0133	0
Distribution	5,000	0	5,000	0.0133	67
Meters	3,000	0	3,000	0.05	150
Hydrants	0	0	0	0.0133	0
Master Metering- Leak Detection	0	0	0	0.05	0
Services	4,000	0	4,000	0.02	80
Other - Water Study	5,000	0	5,000	0.3334	1,667
TOTAL	809,000	660,000	149,000	1	12,497
Source of Funding					
Senior levels of Government	660,000			Depreciation Fund Balance beginning of year	45,367
Depreciation fund	109,000			Interest on Fund balance	907
Long Term Debt	40,000			Transfer from Depreciation	109,000
Capital out of revenue	0			Fund balance before expenditures	109,347
TOTAL	809,000			Balance after expenditures	347

Canning Water Utility					
Calculation of Depreciation of Tangible Plant at Total Cost					
2011/12					
	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation Rate for 2011/12	86,271
LAND AND LAND RIGHTS					
Source of Supply Land	0	0	0		
Source Water Protection					0
STRUCTURES AND IMPROVEMENTS					0
Source of Supply Structures	0	0	0	0.01333	0
Power and Pumping Structures	0	0	0	0.02	0
Purification	0		0	0	0
Distribution Reservoirs and Standpipes	0	0	0	0.02	0
Water Treatment Plant	0	0	0	0.02	0
Well	63,791	63,791	0	0.03	1,531
Other Piping	0	0	0	0.05	0
Equipment		0	0		0
Electrical Pumping	18,449	18,449	0	0.05	738
Purification Equipment	133,609	133,609	0	0.05	5,344
Emergency Generator	0	0	0	0.05	0
Transportation Equipment		0	0	0	0
Tools and Work Equipment	0	0	0	0.2	0
GIS System		0	0		0
Distribution Mains Equipment		0	0		0
Meter Pit	0	0	0	0	0
Other Equipment - Generator	0	0	0	0.04	0
Mains		0	0		0
Transmission	0		0	0.01333	0
Distribution	1,539,017	1,534,017	5,000	0.0133	16,388
Meters	3,000	0	3,000	0.05	150
Hydrants	366,507	366,507	0	0.0133	3,900
Master Metering- Leak Detection	0		0	0.05	0
Services	364,549	360,549	4,000	0.02	5,849
Other	0		0	0.02	0
TOTAL	2,488,922	2,476,922	12,000		33,900
Source of Funding					347
Senior levels of Government	2,476,922			Depreciation Fund Balance beginning of year	347
Depreciation fund	12,000			Interest on Fund balance	7
Long Term Debt	0			Transfer from Depreciation	12,000
Capital out of revenue	0			Fund balance before expenditures	86,625
TOTAL	2,488,922			Balance after expenditures	74,625

Canning Water Utility					
Calculation of Depreciation of Tangible Plant at Total Cost					
2012/13					
	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation Rate for 2012/13	103,369
LAND AND LAND RIGHTS					
Source of Supply Land	0		0		0
Land - General			0		0
STRUCTURES AND IMPROVEMENTS			0		0
Source of Supply Structures			0	0	0
Power and Pumping Structures			0		0
Purification			0	0.05	0
Distribution Reservoirs and Standpipes		0	0	0.1	0
Water Treatment Plant	0		0	0.02	0
General Test well	0	0	0	0.04	0
Other Water Source Structures			0		0
Equipment			0		0
Electrical Pumping		0	0	0.05	0
Purification Equipment	0	0	0	0.05	0
Office Furniture and Equipment			0		0
Transportation Equipment		0	0	0.0133	0
Tools and Work Equipment	0		0	0.02	0
GIS System			0	0.2	0
Distribution Mains Equipment			0		0
Meter Shop Equipment		0	0	0.05	0
Other Equipment			0		0
Mains			0		0
Transmission	0		0	0.0133	0
Distribution	5,000	0	5,000	0.0133	67
Meters	3,000		3,000	0.05	150
Hydrants	0		0	0.0133	0
Master Metering- Leak Detection	0		0	0.05	0
Services	4,000	0	4,000	0.02	80
Other					0
TOTAL	12,000	0	12,000	1	297
Source of Funding					
Senior levels of Government	0			Depreciation Fund Balance beginning of year	74,625
Depreciation fund	12,000			Interest on Fund balance	1,492
Long Term Debt	0			Transfer from Depreciation	12,000
Capital out of revenue	0			Fund balance before expenditures	179,487
TOTAL	12,000			Balance after expenditures	167,487

Canning Water Utility					
Calculation of Depreciation of Tangible Plant at Total Cost					
2013/14					
	Additions to Utility Plant in Service	Capital Cost Contribution from Others	Utility Cost of Plant in Service	Depreciation Rate	Annual Depreciation
				Depreciation Rate for 2013/14	103,666
LAND AND LAND RIGHTS					
Source of Supply Land	0		0		0
Land - General			0		0
STRUCTURES AND IMPROVEMENTS			0		0
Source of Supply Structures			0	0	0
Power and Pumping Structures			0		0
Purification			0	0.05	0
Distribution Reservoirs and Standpipes		0	0	0.1	0
Water Treatment Plant	0		0	0.02	0
General Test well	0	0	0	0.04	0
Other Water Source Structures			0		0
Equipment			0		0
Electrical Pumping		0	0	0.05	0
Purification Equipment	0	0	0	0.05	0
Office Furniture and Equipment			0		0
Transportation Equipment		0	0	0.0133	0
Tools and Work Equipment	0		0	0.02	0
GIS System			0	0.2	0
Distribution Mains Equipment			0		0
Meter Shop Equipment		0	0	0.05	0
Other Equipment			0		0
Mains			0		0
Transmission	0		0	0.0133	0
Distribution	5,000	0	5,000	0.0133	67
Meters	3,000		3,000	0.05	150
Hydrants	0		0	0.0133	0
Master Metering- Leak Detection	0		0	0.05	0
Services	4,000	0	4,000	0.02	80
Other					0
TOTAL	12,000	0	12,000	1	297
Source of Funding					
Senior levels of Government	0			Depreciation Fund Balance beginning of year	167,487
Depreciation fund	12,000			Interest on Fund balance	3,350
Long Term Debt	0			Transfer from Depreciation	12,000
Capital out of revenue	0			Fund balance before expenditures	274,503
TOTAL	12,000			Balance after expenditures	262,503

Canning Water Utility			
Calculation of Amortization on Capital Contributions (to Plant)			
2010/11			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.00	0
Land - General	0	0.00	0
STRUCTURES AND IMPROVEMENTS	0	0.00	0
Source of Supply Structures	0	0.00	0
Power and Pumping Structures	0	0.05	0
Purification	0	0.05	0
Distribution Reservoirs and Standpipes	660,000	0.01	8,778
Water Treatment Plant	0	0.00	0
General - Watershed Study	0	0.05	0
Other Water Source Structures	0	0.10	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	0.1000	0
Tools and Work Equipment	0	0.20	0
GIS System	0	0.05	0
Distribution Mains Equipment	0	0.00	0
Meter Shop Equipment	0	0.00	0
Other Equipment	0	0.10	0
Mains	0	0.00	0
Transmission	0	0.0133	0
Distribution	0	0.0133	0
Meters	0	0.050	0
Hydrants	0	0.0133	0
Master Metering- Leak Detection	0	0.05	0
Services	0	0.02	0
Other	0	0.00	0
TOTAL	660,000		8,778

Canning Water Utility			
Calculation of Amortization on Capital Contributions (to Plant)			
2011/12			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.00	0
Land - General	0	0.00	0
STRUCTURES AND IMPROVEMENTS		0.00	0
Source of Supply Structures	0	0.01	0
Power and Pumping Structures	0	0.02	0
Purification	0	0.00	0
Distribution Reservoirs and Standpipes	0	0.0200	0
Water Treatment Plant	0	0.02	0
Well	63,791	0.03	1,914
Other Water Source Structures	0	0.05	0
Equipment	0	0.00	0
Electrical Pumping	18,449	0.05	922
Purification Equipment	133,609	0.05	6,680
Office Furniture and Equipment	0	0.05	0
Transportation Equipment	0	0.00	0
Tools and Work Equipment	0	0.20	0
GIS System	0	0.00	0
Distribution Mains Equipment	0	0.00	0
Meter Shop Equipment	0	0.00	0
Other Equipment	0	0.04	0
Mains	0	0.00	0
Transmission	0	0.0133	0
Distribution	1,534,017	0.0133	20,402
Meters	0	0.05	0
Hydrants	366,507	0.0133	4,875
Master Metering- Leak Detection	0	0.05	0
Services	360,549	0.02	7,211
Other	0	0.02	0
TOTAL	2,476,922		42,005

Canning Water Utility			
Calculation of Amortization on Capital Contributions (to Plant)			
2012/13			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.00	0
Land - General	0	0.00	0
STRUCTURES AND IMPROVEMENTS	0	0.00	0
Source of Supply Structures	0	0.00	0
Power and Pumping Structures	0	0.00	0
Purification	0	0.05	0
Distribution Reservoirs and Standpipes	0	0.10	0
Water Treatment Plant	0	0.02	0
General - Watershed Study	0	0.04	0
Other Water Source Structures	0	0.00	0
Equipment	0	0.00	0
Electrical Pumping	0	0.05	0
Purification Equipment	0	0.05	0
Office Furniture and Equipment	0	0.00	0
Transportation Equipment	0	0.01	0
Tools and Work Equipment	0	0.02	0
GIS System	0	0.20	0
Distribution Mains Equipment	0	0.00	0
Meter Shop Equipment	0	0.05	0
Other Equipment	0	0.00	0
Mains	0	0.00	0
Transmission	0	0.01	0
Distribution	0	0.01	0
Meters	0	0.05	0
Hydrants	0	0.01	0
Master Metering- Leak Detection	0	0.05	0
Services	0	0.02	0
Other	0	0.00	0
TOTAL	0		0

Canning Water Utility			
Calculation of Amortization on Capital Contributions (to Plant)			
2013/14			
	Capital Contributions to Utility Plant in Service	Amortization Rate	Annual Amortization
LAND AND LAND RIGHTS			
Source of Supply Land	0	0.00	0
Land - General	0	0.00	0
STRUCTURES AND IMPROVEMENTS	0	0.00	0
Source of Supply Structures	0	0.00	0
Power and Pumping Structures	0	0.00	0
Purification	0	0.05	0
Distribution Reservoirs and Standpipes	0	0.10	0
Water Treatment Plant	0	0.02	0
General - Watershed Study	0	0.04	0
Other Water Source Structures	0	0.00	0
Equipment	0	0.00	0
Electrical Pumping	0	0.05	0
Purification Equipment	0	0.05	0
Office Furniture and Equipment	0	0.00	0
Transportation Equipment	0	0.01	0
Tools and Work Equipment	0	0.02	0
GIS System	0	0.20	0
Distribution Mains Equipment	0	0.00	0
Meter Shop Equipment	0	0.05	0
Other Equipment	0	0.00	0
Mains	0	0.00	0
Transmission	0	0.01	0
Distribution	0	0.01	0
Meters	0	0.05	0
Hydrants	0	0.01	0
Master Metering- Leak Detection	0	0.05	0
Services	0	0.02	0
Other	0	0.00	0
TOTAL	0		0

Canning Water Utility Allocation of the Total Cost of Utility Plant in Service Between General Service and Fire Protection 2009/10							
	Utility Plant in Service Previous Year	Additions	Utility Plant in Service	Percent	General Service	Percent	Fire Protection
Intangible Plant							
Organization and Working Capital			-	100.0%	0	0.0%	0
Tangible Plant							
LAND AND LAND RIGHTS	-	-	-	90.0%	0	10.0%	0
Source of Supply Land	22,107	-	22,107	90.0%	19,896	10.0%	2,211
Land - General	-	-	-	90.0%	0	10.0%	0
STRUCTURES AND IMPROVEMENTS	-	-	-	-	0	-	0
Source of Supply Structures	466,336	-	466,336	90.0%	419,702	10.0%	46,634
Power and Pumping Structures	-	-	-	90.0%	0	10.0%	0
Purification	-	-	-	90.0%	0	10.0%	0
Distribution Reservoirs and Standpipes	-	-	-	40.0%	0	60.0%	0
Water Treatment Plant	-	-	-	90.0%	0	10.0%	0
Wells	-	-	-	90.0%	0	10.0%	0
Other	-	-	-	90.0%	0	10.0%	0
Equipment							
Electrical Pumping	360,977	22,204	383,181	90.0%	344,863	10.0%	38,318
Purification Equipment	-	-	-	90.0%	0	10.0%	0
Office Furniture and Equipment	-	-	-	90.0%	0	10.0%	0
Transportation Equipment	-	-	-	90.0%	0	10.0%	0
Tools and Work Equipment	-	-	-	90.0%	0	10.0%	0
Backwash Piping	-	-	-	90.0%	0	10.0%	0
Distribution Mains Equipment	-	-	-	40.0%	0	60.0%	0
Meter Shop Equipment	-	-	-	90.0%	0	10.0%	0
Other - Monitoring SCADA	-	-	-	90.0%	0	10.0%	0
Mains							
Transmission	-	-	-	40.0%	0	60.0%	0
Distribution	548,430	2,581	551,011	40.0%	220,404	60.0%	330,607
Meters							
	66,002	2,769	68,771	100.0%	68,771	0.0%	0
Hydrants							
	46,460	-	46,460	0.0%	0	100.0%	46,460
Master Metering- Leak Detection	-	-	-	100.0%	0	0.0%	0
Services							
	160,828	144	160,972	100.0%	160,972	0.0%	0
Other							
	-	-	-	90.0%	0	10.0%	0
TOTAL	1,671,140	27,698	1,698,838	72.7%	1,234,609	27.3%	464,229

Canning Water Utility Allocation of the Total Cost of Utility Plant in Service Between General Service and Fire Protection 2010/11							
	Utility Plant in Service Previous Year	Additions	Utility Plant in Service	Percent	General Service	Percent	Fire Protection
Intangible Plant							
Organization and Working Capital	-	-	-	100.0%	0	0.0%	0
Tangible Plant							
LAND AND LAND RIGHTS							
Source of Supply Land	22,107	-	22,107	90.0%	19,896	10.0%	2,211
Land - General	-	-	-	90.0%	0	10.0%	0
STRUCTURES AND IMPROVEMENTS							
Source of Supply Structures	466,336	-	466,336	90.0%	419,702	10.0%	46,634
Power and Pumping Structures	-	-	-	90.0%	0	10.0%	0
Purification	-	-	-	90.0%	0	10.0%	0
Distribution Reservoirs and Standpipes	-	792,000	792,000	40.0%	316,800	60.0%	475,200
Water Treatment Plant	-	-	-	90.0%	0	10.0%	0
Wells	-	-	-	90.0%	0	10.0%	0
Other Water Source Structures	-	-	-	90.0%	0	10.0%	0
Equipment							
Electrical Pumping	383,181	-	383,181	90.0%	344,863	10.0%	38,318
Purification Equipment	-	-	-	90.0%	0	10.0%	0
Office Furniture and Equipment	-	-	-	90.0%	0	10.0%	0
Transportation Equipment	-	-	-	90.0%	0	10.0%	0
Tools and Work Equipment	-	-	-	90.0%	0	10.0%	0
Backwash Piping	-	-	-	90.0%	0	10.0%	0
Distribution Mains Equipment	-	-	-	40.0%	0	60.0%	0
Meter Shop Equipment	-	-	-	90.0%	0	10.0%	0
Other Equipment	-	-	-	90.0%	0	10.0%	0
Mains							
Transmission	-	-	-	40.0%	0	60.0%	0
Distribution	551,011	5,000	556,011	40.0%	222,404	60.0%	333,607
Meters	68,771	3,000	71,771	100.0%	71,771	0.0%	0
Hydrants	46,460	-	46,460	0.0%	0	100.0%	46,460
Master Metering- Leak Detection	-	-	-	100.0%	0	0.0%	0
Services	160,972	4,000	164,972	100.0%	164,972	0.0%	0
Other	-	5,000	5,000	90.0%	4,500	10.0%	500
TOTAL	1,698,838	809,000	2,507,838	62.4%	1,564,909	37.6%	942,929

Canning Water Utility							
Allocation of the Total Cost of Utility Plant in Service							
Between General Service and Fire Protection							
2011/12							
	Utility Plant in Service Previous Year	Additions	Utility Plant in Service	Percent	General Service	Percent	Fire Protection
Intangible Plant							
Organization and Working Capital	-		-	100.0%	0	0.0%	0
Tangible Plant							
LAND AND LAND RIGHTS	-		-	90.0%	0	10.0%	0
Source of Supply Land	22,107	0	22,107	90.0%	19,896	10.0%	2,211
Land - General	-	0	-	90.0%	0	10.0%	0
STRUCTURES AND IMPROVEMENTS	-	0	-		0		0
Source of Supply Structures	466,336	0	466,336	90.0%	419,702	10.0%	46,634
Power and Pumping Structures	-	0	-	90.0%	0	10.0%	0
Purification	-	0	-	90.0%	0	10.0%	0
Distribution Reservoirs and Standpipes	792,000	0	792,000	40.0%	316,800	60.0%	475,200
Water Treatment Plant	-	0	-	90.0%	0	10.0%	0
General	-	63,791	63,791	90.0%	57,412	10.0%	6,379
Other Water Source Structures	-	0	-	90.0%	0	10.0%	0
Equipment							
Electrical Pumping	383,181	18,449	401,630	90.0%	361,467	10.0%	40,163
Purification Equipment	-	133,609	133,609	90.0%	120,248	10.0%	13,361
Office Furniture and Equipment	-	0	-	90.0%	0	10.0%	0
Transportation Equipment	-	0	-	90.0%	0	10.0%	0
Tools and Work Equipment	-	0	-	90.0%	0	10.0%	0
Backwash Piping	-	0	-	90.0%	0	10.0%	0
Distribution Mains Equipment	-	0	-	40.0%	0	60.0%	0
Meter Pit	-	0	-	90.0%	0	10.0%	0
Other Equipment	-	0	-	90.0%	0	10.0%	0
Mains							
Transmission	-	0	-	40.0%	0	60.0%	0
Distribution	556,011	1,539,017	2,095,028	40.0%	838,011	60.0%	1,257,017
Meters							
	71,771	3,000	74,771	100.0%	74,771	0.0%	0
Hydrants							
	46,460	366,507	412,967	0.0%	0	100.0%	412,967
Master Metering- Leak Detection	-	0	-	100.0%	0	0.0%	0
Services							
	164,972	364,549	529,521	100.0%	529,521	0.0%	0
Other							
	5,000	0	5,000	90.0%	4,500	10.0%	500
TOTAL	2,507,838	2,488,922	4,996,760	54.9%	2,742,329	45.1%	2,254,431

Canning Water Utility							
Allocation of the Total Cost of Utility Plant in Service							
Between General Service and Fire Protection							
2012/13							
	Utility Plant in Service Previous Year	Additions	Utility Plant in Service	Percent	General Service	Percent	Fire Protection
Intangible Plant							
Organization and Working Capital	-		-	100.0%	0	0.0%	0
Tangible Plant							
LAND AND LAND RIGHTS							
Source of Supply Land	22,107	0	22,107	90.0%	19,896	10.0%	2,211
Land - General	-	0	-	90.0%	0	10.0%	0
STRUCTURES AND IMPROVEMENTS							
Source of Supply Structures	466,336	0	466,336	90.0%	419,702	10.0%	46,634
Power and Pumping Structures	-	0	-	90.0%	0	10.0%	0
Purification	-	0	-	90.0%	0	10.0%	0
Distribution Reservoirs and Standpipes	792,000	0	792,000	40.0%	316,800	60.0%	475,200
Water Treatment Plant	-	0	-	90.0%	0	10.0%	0
General	63,791	0	63,791	90.0%	57,412	10.0%	6,379
Other Water Source Structures	-	0	-	90.0%	0	10.0%	0
Equipment							
Electrical Pumping	401,630	0	401,630	90.0%	361,467	10.0%	40,163
Purification Equipment	133,609	0	133,609	90.0%	120,248	10.0%	13,361
Office Furniture and Equipment	-	0	-	90.0%	0	10.0%	0
Transportation Equipment	-	0	-	90.0%	0	10.0%	0
Tools and Work Equipment	-	0	-	90.0%	0	10.0%	0
GIS System	-	0	-	90.0%	0	10.0%	0
Distribution Mains Equipment	-	0	-	40.0%	0	60.0%	0
Meter Shop Equipment	-	0	-	90.0%	0	10.0%	0
Other Equipment	-	0	-	90.0%	0	10.0%	0
Mains							
Transmission	-	0	-	40.0%	0	60.0%	0
Distribution	2,095,028	5,000	2,100,028	40.0%	840,011	60.0%	1,260,017
Meters							
Meters	74,771	3,000	77,771	100.0%	77,771	0.0%	0
Hydrants							
Hydrants	412,967	0	412,967	0.0%	0	100.0%	412,967
Master Metering- Leak Detection							
Master Metering- Leak Detection	-	0	-	100.0%	0	0.0%	0
Services							
Services	529,521	4,000	533,521	100.0%	533,521	0.0%	0
Other	5,000	0	5,000	90.0%	4,500	10.0%	500
TOTAL	4,996,760	12,000	5,008,760	54.9%	2,751,329	45.1%	2,257,431

Canning Water Utility Allocation of the Total Cost of Utility Plant in Service Between General Service and Fire Protection 2013/14							
	Utility Plant in Service Previous Year	Additions	Utility Plant in Service	Percent	General Service	Percent	Fire Protection
Intangible Plant							
Organization and Working Capital	-		-	100.0%	0	0.0%	0
Tangible Plant							
LAND AND LAND RIGHTS							
Source of Supply Land	22,107	0	22,107	90.0%	19,896	10.0%	2,211
Land - General	-	0	-	90.0%	0	10.0%	0
STRUCTURES AND IMPROVEMENTS							
Source of Supply Structures	466,336	0	466,336	90.0%	419,702	10.0%	46,634
Power and Pumping Structures	-	0	-	90.0%	0	10.0%	0
Purification	-	0	-	90.0%	0	10.0%	0
Distribution Reservoirs and Standpipes	792,000	0	792,000	40.0%	316,800	60.0%	475,200
Water Treatment Plant	-	0	-	90.0%	0	10.0%	0
General	63,791	0	63,791	90.0%	57,412	10.0%	6,379
Other Water Source Structures	-	0	-	90.0%	0	10.0%	0
Equipment							
Electrical Pumping	401,630	0	401,630	90.0%	361,467	10.0%	40,163
Purification Equipment	133,609	0	133,609	90.0%	120,248	10.0%	13,361
Office Furniture and Equipment	-	0	-	90.0%	0	10.0%	0
Transportation Equipment	-	0	-	90.0%	0	10.0%	0
Tools and Work Equipment	-	0	-	90.0%	0	10.0%	0
GIS System	-	0	-	90.0%	0	10.0%	0
Distribution Mains Equipment	-	0	-	40.0%	0	60.0%	0
Meter Shop Equipment	-	0	-	90.0%	0	10.0%	0
Other Equipment	-	0	-	90.0%	0	10.0%	0
Mains							
Transmission	-	0	-	40.0%	0	60.0%	0
Distribution	2,100,028	5,000	2,105,028	40.0%	842,011	60.0%	1,263,017
Meters							
	77,771	3,000	80,771	100.0%	80,771	0.0%	0
Hydrants							
	412,967	0	412,967	0.0%	0	100.0%	412,967
Master Metering- Leak Detection	-	0	-	100.0%	0	0.0%	0
Services							
	533,521	4,000	537,521	100.0%	537,521	0.0%	0
Other							
	5,000	0	5,000	90.0%	4,500	10.0%	500
TOTAL	5,008,760	12,000	5,020,760	55.0%	2,760,329	45.0%	2,260,431

Canning Water Utility			
Allocation of Fire Protection Charges			
Projected Expenses for 2011/12			
	Estimated Expenses	PerCent Allocation to fire Protection	Fire Protection Charge
Source of Supply	0	10.0%	0
Power and Pumping	20,365	10.0%	2,036
Water Treatment	29,570	10.0%	2,957
Transmission and Distribution	30,549	45.1%	13,783
Adminstration and General	72,186	10.0%	7,219
Depreciation	86,271	45.1%	38,924
Other	0	10.0%	0
Taxes	0	45.1%	0
Return on Rate Base	9,700	45.1%	4,376
Total	248,641	27.9%	69,295

Canning Water Utility			
Allocation of Fire Protection Charges			
Projected Expenses for Year 2012/13			
	Estimated Expenses	PerCent Allocation to fire Protection	Fire Protection Charge
Source of Supply	0	10.0%	0
Power and Pumping	21,315	10.0%	2,131
Water Treatment	30,537	10.0%	3,054
Transmission and Distribution	31,466	45.1%	14,182
Adminstration and General	75,332	10.0%	7,533
Depreciation	103,369	45.1%	46,588
Other	0	10.0%	0
Taxes	0	45.1%	0
Return on Rate Base	21,187	45.1%	9,549
Total	283,206	29.3%	83,037

Canning Water Utility			
Allocation of Fire Protection Charges			
Projected Expenses for Year 2013/14			
	Estimated Expenses	PerCent Allocation to fire Protection	Fire Protection Charge
Source of Supply	0	10.0%	0
Power and Pumping	21,954	10.0%	2,195
Water Treatment	31,453	10.0%	3,145
Transmission and Distribution	32,410	45.0%	14,591
Adminstration and General	78,349	10.0%	7,835
Depreciation	103,666	45.0%	46,672
Other	0	10.0%	0
Taxes	0	45.0%	0
Return on Rate Base	38,187	45.0%	17,193
Total	306,019	29.9%	91,632

Canning Water Utility				
Calculation of rate Base and required Return on rate Base				
Years Ending March 31st				
	2010/11	2011/12	2012/13	2013/14
	(Actual)	Budget	Budget	Budget
RATE BASE				
Utility plant in Service March 31st	2,507,838	4,996,760	5,008,760	5,020,760
Less Accumulated Depreciation on actual cost of plant in service (Estimated)	(796,260)	(882,532)	(985,901)	(1,089,567)
Less unamortized amount of capital contribution for plant in service	(660,000)	(3,128,144)	(3,077,361)	(3,026,579)
Estimated Rate Base at Year End	1,051,578	986,084	945,498	904,614
REQUIRED RETURN				
Non-operating Expenditures (B-2)	11,000	11,000	22,487	39,487
Less Non-operating Revenue	-	-	-	-
Less Other Non-operating Revenue (B-2)	(1,300)	(1,300)	(1,300)	(1,300)
Return on Rate Base	9,700	9,700	21,187	38,187
Required Rate of Return (Req'd Return/Est Rate Base)	0.92%	0.98%	2.24%	4.22%

Canning Water Utility Calculation of Revenue Required for Each Billing/Cost Category 2011/12										
	Total Revenue Required	Fire Protection Revenue	Revenue Required from Metered Rates	Charge			Commodity Charge			
				Customer	Base		Delivery		Production	
Source of Supply	0	0	0						100%	0
Power and Pumping	20,365	2,036	18,328						100%	18,328
Water Treatment	29,570	2,957	26,613						100%	26,613
Transmission and Distribution	30,549	13,783	16,766			0%	0	100%	16,766	
Administration and General	72,186	7,219	64,967	10%	6,497	90%	58,470	0%	0	0%
Depreciation	86,271	38,924	47,347			40%	18,939	30%	14,204	30%
Other	0	0	0			100%	0			
Taxes	0	0	0			100%	0			
Return on Rate Base	9,700	4,376	5,324			40%	2,129	30%	1,597	30%
SUBTOTAL	248,641	69,295	179,345		6,497		79,539		32,567	60,743
Contribution from operating surplus										
TOTAL	248,641	69,295	179,345		6,497		79,539		32,567	60,743

Canning Water Utility Calculation of Revenue Required for Each Billing/Cost Category 2012/13										
	Total Revenue Required	Fire Protection Revenue	Revenue Required from Metered Rates	Charge			Commodity Charge			
				Customer	Base		Delivery		Production	
Source of Supply	0	0	0						100%	0
Power and Pumping	21,315	2,131	19,183						100%	19,183
Water Treatment	30,537	3,054	27,483						100%	27,483
Transmission and Distribution	31,466	14,182	17,284			0%	0	100%	17,284	
Administration and General	75,332	7,533	67,798	10%	6,780	90%	61,019	0%	0	0%
Depreciation	103,369	46,588	56,781			40%	22,712	30%	17,034	30%
Other	0	0	0			100%	0			
Taxes	0	0	0			100%	0			
Return on Rate Base	21,187	9,549	11,638			40%	4,655	30%	3,491	30%
SUBTOTAL	283,206	83,037	200,169		6,780		88,386		37,810	67,192
Contribution from operating surplus										
TOTAL	283,206	83,037	200,169		6,780		88,386		37,810	67,192

Canning Water Utility Calculation of Revenue Required for Each Billing/Cost Category 2013/14										
	Total Revenue Required	Fire Protection Revenue	Revenue Required from Metered Rates	Charge			Commodity Charge			
				Customer	Base		Delivery		Production	
Source of Supply	0	0	0						100%	0
Power and Pumping	21,954	2,195	19,759						100%	19,759
Water Treatment	31,453	3,145	28,308						100%	28,308
Transmission and Distribution	32,410	14,591	17,818			0%	0	100%	17,818	
Administration and General	78,349	7,835	70,514	10%	7,051	90%	63,463	0%	0	0%
Depreciation	103,666	46,672	56,994			40%	22,798	30%	17,098	30%
Other	0	0	0			100%	0			
Taxes	0	0	0			100%	0			
Return on Rate Base	38,187	17,193	20,995			40%	8,398	30%	6,298	30%
SUBTOTAL	306,019	91,632	214,387		7,051		94,658		41,215	71,463
Contribution from operating surplus										
TOTAL	306,019	91,632	214,387		7,051		94,658		41,215	71,463

Worksheet C-4
10-Jan-11

Canning Water Utility Service Connections and Equivalents 2010/11			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	4	1	4
5/8" Permanent	381	1	381
5/8" Seasonal	0	1	0
3/4"	0	1.5	0
1"	4	2.5	10
1.5"	1	5	5
2"	1	8	8
3"	0	16	0
4"	1	25	25
6"	0	50	0
TOTAL	392		433

Canning Water Utility Service Connections and Equivalents 2011/12			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	4	1	4
5/8" Permanent	406	1	406
5/8" Seasonal	17	1	17
3/4"	0	1.5	0
1"	4	2.5	10
1.5"	1	5	5
2"	1	8	8
3"	0	16	0
4"	1	25	25
6"	0	50	0
TOTAL	434		475

Canning Water Utility Service Connections and Equivalents 2012/13			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	4	1	4
5/8" Permanent	410	1	410
5/8" Seasonal	25	1	25
3/4"	0	1.5	0
1"	4	2.5	10
1.5"	1	5	5
2"	1	8	8
3"	0	16	0
4"	1	25	25
6"	0	50	0
TOTAL	446		487

Canning Water Utility Service Connections and Equivalents 2013/14			
Meter Size	Number of Services	Capacity Ratio	System Equivalents
Unmetered	4	1	4
5/8" Permanent	414	1	414
5/8" Seasonal	30	1	30
3/4"	0	1.5	0
1"	4	2.5	10
1.5"	1	5	5
2"	1	8	8
3"	0	16	0
4"	1	25	25
6"	0	50	0
TOTAL	455		496

Canning Water Utility					
Service Connections and Equivalents					
2011/12					
Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	167.45	14.97	182.42	45.60
5/8" Permanent	1	167.45	14.97	182.42	45.60
5/8" Seasonal	1	167.45	14.97	182.42	45.60
3/4"	1.5	251.17	14.97	266.14	66.54
1"	2.5	418.62	14.97	433.59	108.40
1.5"	5	837.25	14.97	852.22	213.05
2"	8	1,339.60	14.97	1,354.57	338.64
3"	16	2,679.20	14.97	2,694.17	673.54
4"	25	4,186.25	14.97	4,201.22	1,050.30
6"	50	8,372.49	14.97	8,387.46	2,096.87
TOTAL					

Canning Water Utility					
Service Connections and Equivalents					
2012/13					
Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	181.49	15.20	196.69	49.17
5/8" Permanent	1	181.49	15.20	196.69	49.17
5/8" Seasonal	1	181.49	15.20	196.69	49.17
3/4"	1.5	272.24	15.20	287.44	71.86
1"	2.5	453.73	15.20	468.93	117.23
1.5"	5	907.46	15.20	922.66	230.66
2"	8	1,451.93	15.20	1,467.13	366.78
3"	16	2,903.86	15.20	2,919.07	729.77
4"	25	4,537.29	15.20	4,552.49	1,138.12
6"	50	9,074.58	15.20	9,089.78	2,272.44
TOTAL					

Canning Water Utility					
Service Connections and Equivalents					
2013/14					
Meter Size	Capacity Ratio	Base Charge	Customer Charge	Total Base Charge	
				Annual	Quarterly
Unmetered	1	190.84	15.50	206.34	51.59
5/8" Permanent	1	190.84	15.50	206.34	51.59
5/8" Seasonal	1	190.84	15.50	206.34	51.59
3/4"	1.5	286.26	15.50	301.76	75.44
1"	2.5	477.11	15.50	492.60	123.15
1.5"	5	954.21	15.50	969.71	242.43
2"	8	1,526.74	15.50	1,542.24	385.56
3"	16	3,053.49	15.50	3,068.98	767.25
4"	25	4,771.07	15.50	4,786.57	1,196.64
6"	50	9,542.14	15.50	9,557.64	2,389.41
TOTAL					

Canning Water Utility Water Consumption by Block				
Meter Size	Actual		2011/12	
	Current Consumption		Consumption	
	1st Block Imperial gallons	2nd Block Imperial gallons	1st Block Imperial gallons	2nd Block Imperial gallons
Unmetered	240,000		240,000	
5/8" Permanent	16,396,200		17,472,066	
5/8" Seasonal	0		256,056	
3/4"	0		0	
1"	1,223,130		1,223,130	
1.5"	358,000		358,000	
2"	114,300		114,300	
3"	0	0	0	
4"	450,931	0	450,931	
6"	0	0	0	
			0	
TOTAL	18,782,561	0	20,114,483	0
	TOTAL BOTH BLOCKS	18,782,561	TOTAL BOTH BLOCKS	20,114,483

Canning Water Utility Water Consumption by Block				
Meter Size	2012/13		2013/14	
	Current Consumption		Consumption	
	1st Block Imperial gallons	2nd Block Imperial gallons	1st Block Imperial gallons	2nd Block Imperial gallons
Unmetered	240,000		240,000	
5/8" Permanent	17,644,205		17,816,343	
5/8" Seasonal	376,553		451,864	
3/4"	0	0	0	
1"	1,223,130	0	1,223,130	0
1.5"	358,000	0	358,000	0
2"	114,300	0	114,300	0
3"	0	0	0	0
4"	450,931	0	450,931	0
6"	0	0	0	0
			0	
TOTAL	20,407,119	0	20,654,568	0
	TOTAL BOTH BLOCKS	20,407,119	TOTAL BOTH BLOCKS	20,654,568

Worksheet C-7

10-Jan-11

Canning Water Utility		
Calculation of Consumption Charge		
2011/12		
NET PRODUCTION EXPENSE	BLOCK 1	BLOCK 2
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	3.02	3.02
NET DELIVERY EXPENSES		
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	1.62	
BLOCK 1 CONSUMPTION CHARGE PER 1,000 imp gallons	4.64	

Canning Water Utility		
Calculation of Consumption Charge		
2012/13		
NET PRODUCTION EXPENSE	BLOCK 1	BLOCK 2
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	3.29	3.29
NET DELIVERY EXPENSES		
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	1.85	
BLOCK 1 CONSUMPTION CHARGE PER 1,000 imp gallons	5.15	

Canning Water Utility		
Calculation of Consumption Charge		
2013/14		
NET PRODUCTION EXPENSE	BLOCK 1	BLOCK 2
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	3.46	3.46
NET DELIVERY EXPENSES		
<u>Total Charge Worksheet C-3</u> Quantity Worksheet C-6	2.00	
BLOCK 1 CONSUMPTION CHARGE PER 1,000 imp gallons	5.46	

Worksheet C-8

10-Jan-11

Canning Water Utility
Water Consumption by Block
2011/12

BASE CHARGE

<u>Meter Size</u>	<u>Number</u>	<u>Base Rate</u>	<u>Dollar Revenue</u>
Unmetered	4	182.42	730
5/8"	423	182.42	77,163
3/4"	0	266.14	0
1"	4	433.59	1,734
1.5"	1	852.22	852
2"	1	1,354.57	1,355
3"	0	2,694.17	0
4"	1	4,201.22	4,201
6"	0	8,387.46	0

TOTAL BASE REVENUE 86,035

CONSUMPTION CHARGE

	<u>Quantity</u>	<u>\$/ 1,000 imp gallons</u>	
First Block	20,114,483	4.64	93,310

TOTAL CONSUMPTION REVENUE 93,310

TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION) 179,345

Canning Water Utility
Water Consumption by Block
2012/13

BASE CHARGE

<u>Meter Size</u>	<u>Number</u>	<u>Base Rate</u>	<u>Dollar Revenue</u>
Unmetered	4	196.69	787
5/8"	435	196.69	85,561
3/4"	0	287.44	0
1"	4	468.93	1,876
1.5"	1	922.66	923
2"	1	1,467.13	1,467
3"	0	2,919.07	0
4"	1	4,552.49	4,552
6"	0	9,089.78	0

TOTAL BASE REVENUE 95,166

CONSUMPTION CHARGE

	<u>Quantity</u>	<u>\$/ 1,000 imp gallons</u>	
First Block	20,407,119	5.15	105,003

TOTAL CONSUMPTION REVENUE 105,003

TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION) 200,169

Canning Water Utility
Water Consumption by Block
2013/14

BASE CHARGE

<u>Meter Size</u>	<u>Number</u>	<u>Base Rate</u>	<u>Dollar Revenue</u>
Unmetered	4	206.34	825
5/8"	444	206.34	91,615
3/4"	0	301.76	0
1"	4	492.60	1,970
1.5"	1	969.71	970
2"	1	1,542.24	1,542
3"	0	3,068.98	0
4"	1	4,786.57	4,787
6"	0	9,557.64	0

TOTAL BASE REVENUE 101,709

CONSUMPTION CHARGE

	<u>Quantity</u>	<u>\$/ 1,000 imp gallons</u>	
First Block	20,654,568	5.46	112,678

TOTAL CONSUMPTION REVENUE 112,678

TOTAL OPERATING REVENUES FOR YEAR (BASE + CONSUMPTION) 214,387

Canning Water Utility Comparison of Current Water Rates with Proposed New Rates 2011/12											
Meter Size	Average Quarterly Consumption		Base Charge		Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Percent Change
	1st Block	2nd Block	Current	Proposed		Current	Proposed		Current	Proposed	
Unmetered	15,000		48.25	45.60	-5.5%	47.10	69.58	47.7%	95.35	115.19	20.8%
5/8" Permanent	10,759		42.70	45.60	6.8%	48.95	49.91	2.0%	91.65	95.51	4.2%
5/8" Seasonal	3,766		42.70	45.60	6.8%	17.13	17.47	2.0%	59.83	63.07	5.4%
3/4"	-		57.00	66.54	16.7%	-	-	0.0%	-	-	0.0%
1"	76,446	-	87.00	108.40	24.6%	253.25	354.63	40.0%	340.25	463.03	36.1%
1.5"	89,500	-	160.00	213.05	33.2%	285.76	415.19	45.3%	445.76	628.24	40.9%
2"	28,575	-	248.00	338.64	36.5%	134.05	132.56	-1.1%	382.05	471.20	23.3%
3"	-	-	483.00	673.54	39.4%	-	-	0.0%	-	-	0.0%
4"	112,733	-	747.00	1,050.30	40.6%	343.60	522.96	52.2%	1,090.60	1,573.27	44.3%

Canning Water Utility Comparison of Current Water Rates with Proposed New Rates 2012/13											
Meter Size	Average Quarterly Consumption		Base Charge		Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Percent Change
	1st Block	2nd Block	Current	Proposed		Current	Proposed		Current	Proposed	
Unmetered	15,000		45.60	49.17	7.8%	69.58	77.18	10.9%	115.19	126.35	9.7%
5/8" Permanent	10,759	-	45.60	49.17	7.8%	49.91	55.36	10.9%	95.51	104.53	9.4%
5/8" Seasonal	3,766	-	45.60	49.17	7.8%	17.47	19.38	10.9%	63.07	68.55	8.7%
3/4"	-		66.54	71.86	8.0%	-	-	0.0%	-	-	0.0%
1"	76,446	-	108.40	117.23	8.1%	354.63	393.34	10.9%	463.03	510.57	10.3%
1.5"	89,500	-	213.05	230.66	8.3%	415.19	460.51	10.9%	628.24	691.18	10.0%
2"	28,575	-	338.64	366.78	8.3%	132.56	147.03	0.0%	471.20	513.81	9.0%
3"	-	-	673.54	729.77	8.3%	-	-	0.0%	-	-	0.0%
4"	112,733	-	1,050.30	1,138.12	8.4%	522.96	580.05	10.9%	1,573.27	1,718.18	9.2%

Canning Water Utility Comparison of Current Water Rates with Proposed New Rates 2013/14											
Meter Size	Average Quarterly Consumption		Base Charge		Percent Change	Commodity Charge		Percent Change	Quarterly Water Bill		Percent Change
	1st Block	2nd Block	Current	Proposed		Current	Proposed		Current	Proposed	
Unmetered	15,000		49.17	51.59	4.9%	77.18	81.83	6.0%	126.35	133.42	5.6%
5/8" Permanent	10,759		49.17	51.59	4.9%	55.36	58.69	6.0%	104.53	110.28	5.5%
5/8" Seasonal	3,766		49.17	51.59	4.9%	19.38	20.54	6.0%	68.55	72.13	5.2%
3/4"	-		71.86	75.44	5.0%	-	-	0.0%	-	-	0.0%
1"	76,446	-	117.23	123.15	5.0%	393.34	417.04	6.0%	510.57	540.19	5.8%
1.5"	89,500	-	230.66	242.43	5.1%	460.51	488.25	6.0%	691.18	730.68	5.7%
2"	28,575	-	366.78	385.56	5.1%	147.03	155.89	0.0%	513.81	541.45	5.4%
3"	-	-	729.77	767.25	5.1%	-	-	0.0%	-	-	0.0%
4"	112,733	-	1,138.12	1,196.64	5.1%	580.05	615.00	6.0%	1,718.18	1,811.64	5.4%

Canning Water Utility				
Comparative Statement of Operations				
Fiscal Years ending March 31st				
	2010/11 Budget	Projection Using Proposed Rates		
		2011/12 Test	2012/13 Test	2013/14 Test
OPERATING REVENUES				
Flat Rate Sales	0	0	0	0
Metered Sales	145,000	179,345	200,169	214,387
Public Fire Protection	61,332	69,295	83,037	91,632
Sprinkler Service and Private Hydrants	0	0	0	0
Miscellaneous	500	500	500	500
Overdue Accounts	800	800	800	800
Total	207,632	249,941	284,506	307,319
OPERATING EXPENDITURES				
Source of Supply	0	0	0	0
Power and Pumping	17,012	20,365	21,315	21,954
Water Treatment	25,858	29,570	30,537	31,453
Transmission and Distribution	26,946	30,549	31,466	32,410
Administration and General	66,797	72,186	75,332	78,349
Depreciation	63,072	86,271	103,369	103,666
Other	0	0	0	0
Taxes	0	0	0	0
Total	199,685	238,941	262,019	267,832
OPERATING PROFIT (LOSS)				
NON-OPERATING REVENUES				
Interest and other income	0	0	0	0
Depreciation Fund	0	0	0	0
Other- connection charge	0	0	0	0
Total	0	0	0	0
NON-OPERATING EXPENDITURES				
Debt Charges - Principal	8,000	8,000	8,000	8,000
Debt Charges - Interest	0	0	0	0
New Debt - Principal	0	0	1,087	1,153
New Debt - Interest	0	0	2,400	2,335
Permit Fee	0	0	0	0
Debt Charges	3,000	3,000	3,000	3,000
Capital out of Revenue	0	0	0	0
Dividend to Owner	0	0	8,000	25,000
Total	11,000	11,000	22,487	39,487
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES				
	-3,053	0	0	0

Appendix 1
Loan Calculator
Long Term Debt

Interest Rate	6.00%
Term in years	20
Capital \$	40,000

Payment Schedule for Capital Works

Year	Principal	Interest	Total	Balance
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

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

SCHEDULE "A"
CANNING WATER UTILITY

SCHEDULE OF RATES FOR WATER AND WATER SERVICES

(Effective for water supplied on and after 1 April, 2011)

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 Canning Water Utility of the Village of Canning.

1. **RATES:**

Unmetered Rate/quarter	115.19
(based on 15,000 imp gallons per quarter)	

(a) <u>Base Charges</u>	<u>Quarterly</u>
Size of Meter	
5/8"	45.60
3/4"	66.54
1"	108.40
1.5"	213.05
2"	338.64
3"	673.54
4"	1,050.30
6"	2,096.87

(b) Consumption Rate	\$	4.64	per 1,000 imp gallons
----------------------	----	------	-----------------------

(c) Minimum Bill

The minimum bill shall be the Base Charge.

2. PUBLIC FIRE PROTECTION RATE

The Village of Canning and the Municipality of the County of Kings shall pay annually in proportion to the number of hydrants located in each municipal unit as of April 1, 2011 to the Canning Water Utility for fire protection on or before September 30, 2011 the sum of \$69,295. The fire protection rate shall be calculated based on the number of days at the existing rate plus the number of days at the new rate.

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 \$60.00 for connection and disconnection and a consumption charge for the amount of water used, as estimated by the water Utility, at meter consumption rates.

7. CHARGES FOR RE-ESTABLISHING WATER SERVICE

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

8. CONNECTION FEE

The Utility shall charge a \$50.00 fee for the creation of a water account, notwithstanding the fact that no physical disconnection of the system may have occurred.

9. DISCONNECTION FEE

Whenever a customer requests the water be turned off from any premises for an extended period of time, a charge of \$50.00 shall be made for turning off the water, and no additional charge shall be made for turning it on again when this is requested unless such request is after regular working hours of the Utility when a fee of \$150.00 shall apply.

10. SPECIAL SERVICE CHARGE:

A special service charge of \$50.00 (\$150.00 if such work is performed after regular working hours) shall be made to each customer receiving a necessary or requested service, such as the shutting off or turning on of water service or other special services not provided for elsewhere in the schedules or the rules and regulations 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 shall charge a \$25.00 administration fee 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.

SCHEDULE "B"

CANNING WATER UTILITY

SCHEDULE OF RATES FOR WATER AND WATER SERVICES

(Effective for water supplied on and after 1 April, 2012)

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 Canning Water Utility of the Village of Canning.

1. RATES:

Unmetered Rate/quarter	126.35
(based on 15,000 imp gallons per quarter)	

(a) <u>Base Charges</u>	<u>Quarterly</u>
-------------------------	------------------

Size of Meter	
5/8"	49.17
3/4"	71.86
1"	117.23
1.5"	230.66
2"	366.78
3"	729.77
4"	1,138.12
6"	2,272.44

(b) Consumption Rate	\$	5.15	per 1,000 imp gallons
----------------------	----	------	-----------------------

(c) Minimum Bill

The minimum bill shall be the Base Charge.

2. PUBLIC FIRE PROTECTION RATE

The Village of Canning and the Municipality of the County of Kings shall pay annually in proportion to the number of hydrants located in each municipal unit as of April 1, 2012 to the Canning Water Utility for fire protection on or before September 30, 2012 the sum of \$83,037.

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 CONNECTION HYDRANT RATES

Per hydrant per year \$200.00.

6. RATES FOR WATER SUPPLIED FROM FIRE HYDRANTS

Whenever the use of any fire hydrant is desired for supplying water for any purpose, excepting those of the Fire Department for fire use, the Utility may grant a permit containing such terms and conditions as it may provide, including arrangements regarding supervision of the opening and closing of the hydrant, and a service charge for commercial consumers of \$60.00 for connection and disconnection and a consumption charge for the amount of water used, as estimated by the water Utility, at meter consumption rates.

7. CHARGES FOR RE-ESTABLISHING WATER SERVICE

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

8. CONNECTION FEE

The Utility shall charge a \$50.00 fee for the creation of a water account, notwithstanding the fact that no physical disconnection of the system may have occurred.

9. DISCONNECTION FEE

Whenever a customer, requests for the water be turned off from any premises for an extended period of time, a charge of \$50.00 shall be made for turning off the water, and no additional charge shall be made for turning it on again when this is requested unless such request is after regular working hours of the Utility when a fee of \$150.00 shall apply.

10. SPECIAL SERVICE CHARGE:

A special service charge of \$50.00 (\$150.00 if such work is performed after regular working hours) shall be made to each customer receiving a necessary or requested service, such as the shutting off or turning on of water service or other special services not provided for elsewhere in the schedules or the rules and regulations 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 shall charge a \$25.00 administration fee 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.

SCHEDULE "C"

CANNING WATER UTILITY

SCHEDULE OF RATES FOR WATER AND WATER SERVICES

(Effective for water supplied on and after 1 April, 2013)

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 Canning Water Utility of the Village of Canning.

1. RATES:

Unmetered Rate/quarter	133.42
(based on 15,000 imp gallons per quarter)	

(a) <u>Base Charges</u>	<u>Quarterly</u>
Size of Meter	
5/8"	51.59
3/4"	75.44
1"	123.15
1.5"	242.43
2"	385.56
3"	767.25
4"	1,196.64
6"	2,389.41

Consumption Rate	\$	5.46	per 1,000 imp gallons
------------------	----	------	-----------------------

(c) Minimum Bill

The minimum bill shall be the Base Charge.

2. PUBLIC FIRE PROTECTION RATE

The Village of Canning and the Municipality of the County of Kings shall pay annually in proportion to the number of hydrants located in each municipal unit as of April 1, 2013 to the Canning Water Utility for fire protection on or before September 30, 2013 the sum of \$91,632.

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

(a) the sum of 45.0% of transmission and distribution, taxes and depreciation expenses of the Utility and return on rate base of the immediately preceding year, plus

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

In subsequent years the Village of Canning and the Municipality of the County of Kings shall pay in proportion to the number of hydrants serving each municipality as of April 1 of that year.

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. PRIVATE CONNECTION HYDRANT RATES

Per hydrant per year \$200.00

5. 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.

6. RATES FOR WATER SUPPLIED FROM FIRE HYDRANTS

Whenever the use of any fire hydrant is desired for supplying water for any purpose, excepting those of the Fire Department for fire use, the Utility may grant a permit containing such terms and conditions as it may provide, including arrangements regarding supervision of the opening and closing of the hydrant, and a service charge for commercial consumers of \$60.00 for connection and disconnection and a consumption charge for the amount of water used, as estimated by the water Utility, at meter consumption rates.

7. CHARGES FOR RE-ESTABLISHING WATER SERVICE

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

8. CONNECTION FEE

The Utility shall charge a \$50.00 fee for the creation of a water account, notwithstanding the fact that no physical disconnection of the system may have occurred.

9. DISCONNECTION FEE

Whenever a customer requests the water be turned off from any premises for an extended period of time, a charge of \$50.00 shall be made for turning off the water, and no additional charge shall be made for turning it on again when this is requested unless such request is after regular working hours of the Utility when a fee of \$150.00 shall apply.

10. SPECIAL SERVICE CHARGE:

A special service charge of \$50.00 (\$150.00 if such work is performed after regular working hours) shall be made to each customer receiving a necessary or requested service, such as the shutting off or turning on of water service or other special services not provided for elsewhere in the schedules or the rules and regulations 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 shall charge a \$25.00 administration fee 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.

SCHEDULE D
RULES AND REGULATIONS

CANNING WATER UTILITY

**SCHEDULE OF RULES AND REGULATIONS
GOVERNING THE SUPPLY OF WATER AND WATER SERVICES
(Effective 1 January, 2011)**

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

“Village” means the Village of Canning

“Utility” means the Canning Water Utility.

“Municipality” means the Municipality of the County of Kings

“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.

“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.

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.

3. **DEPOSITS:** The Utility requires all prospective customers to complete an application form prior to rendering service. The application shall clearly specify the purpose for which the water is to be used and no water service shall be furnished until said application has been signed and submitted by the applicant. 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 \$50.00). 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 the rate of interest obtained by the Village of Canning on its surplus cash balances on deposit with its banker as at March 31 of each fiscal year.
4. **REFUSAL OF SERVICE:** Service may be refused or suspended to any customer who has failed to discharge all of his liabilities to the Utility.
5. **BILLING:** If a contract is entered into or terminated at any time other than a regular billing date, the amount to be charged to the customer shall be the pro rata proportion to the next billing date, of the regular service charge for the billing period, plus the consumption charge, if any.

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 (quarterly) and shall be payable within thirty days after the date rendered. Bills are due on the billing date and 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.
7. **ADJUSTMENT OF BILLS:**
 - (a) Where meters exist - If the seal of a meter is broken or if a meter does not register correctly, the bill for that water service shall be estimated in accordance with the best data available. Any customer desiring to question a water bill must do so in writing within 30 days of the bill being rendered.
 - (b) Customers Under billed - Should it be necessary for the Utility to make a billing adjustment as a result of a customer being under billed for any reason, such adjustment shall be retroactive for a maximum of four billing periods or one year, whichever is the longest. Notwithstanding the above, in the event that a billing adjustment is the result of the customer's illegal connection to the water system or willful interference or damage of metering equipment (where they exist), the billing adjustment in such circumstances will

not be limited to one year or four billing periods, but rather the customer shall be responsible for all payments of such accounts from the date such illegal connection or interference to meter equipment took place.

- (c) Customer Over billed - Should it become necessary for the Utility to make a billing adjustment as a result of a customer being over billed for any reason, such adjustment will be estimated by the Utility, and the Utility will be responsible for payment of the over billed amount with interest calculated on the basis of current simple interest paid by the bank.
8. **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 8, 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. In the case of Metered Service Customers who are billed monthly, meters shall be read monthly.
9. **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.
10. **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 Charges for Re-establishing Water Service in the Schedule of Rates and Charges after each suspension. Service suspension can be delayed if approved payment arrangements have been made and the customer is in compliance with arrangements.
11. **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.
12. **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.

13. **METER READERS:** Each meter reader shall be provided with an official identification, which he/she shall exhibit on request.
14. **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.
15. **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.

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

19. **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.

20. **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) 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.

21. **ALTERNATE WATER SUPPLY PROHIBITED:** Connection of any customer's water system, which is served by the Utility, to any other source of water supply is prohibited. Failure to comply with this regulation shall entitle the Utility to suspend the service.
22. **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.
23. **PROHIBITED DEVICES:** Service may be refused or suspended by the Utility to any customer who installs or uses any device or appurtenance, as, for example, booster pumps, quick-opening or quick-closing valves, flushometers, water operated pumps or siphons, standpipes, or large outlets for supplying locomotives or ships, etc., which may occasion sudden large demands of short or long duration, thereby requiring oversize meters and pipe lines, or affect the stability or regulation of water pressure in the Utility's system. Permission to install or use any such device or appurtenance must be obtained from the Utility, which permission shall specify what special arrangements, such as elevated storage tanks, surge tanks or equalizing tanks, etc., must be provided by the customer.
24. **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.
25. **NEW 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 Customer shall install a service pipe which the Utility 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 including the supplying and installation of the water pipe and all associated fittings including tapping the main, backfilling and replacement of the street and sidewalk surfaces, and the restoration of all landscaping, driveways and associated works from the water main in the street to the curb stop shall be provided by the Applicant without cost to the Utility. The installation of the service pipe shall be inspected by the Utility staff at such times as specified by the Utility staff.

The applicant shall provide the necessary excavation for the laying of the service pipe including the supplying and installation of the water pipe and all associated fittings including backfilling

and replacement of the driveway surfaces, and the restoration of all landscaping, and associated works from the curb stop to the building and all such work shall be performed without cost to the Utility. The installation of the service pipe shall be inspected by the Utility staff at such times as specified by the Utility staff.

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. In either case, the excavation is to be provided by the applicant to the satisfaction of the Utility.

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

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

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

26. **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.

27. **CUSTOMER WORK PERFORMED BY THE UTILITY:** Whenever a customer requests the Utility to do work for which the customer is required to pay and the Utility agrees to do the work, the customer 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. When the actual cost is determined, an adjustment in the payment shall be made. Installations shall be made in accordance with the

Canning Water Utility specifications and be subject to inspection by the Utility's Engineer or Utility's Employees prior to water service being made available.

28. **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.
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.
31. **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.
32. **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.
33. **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.
34. **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.
35. **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 Canning Water Utility specifications.

36. **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 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 times.
37. **PRESSURE RELIEF VALVES:** Whenever a pressure reducing valve has been installed by a customer in accordance with Regulation 35, 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.
38. **EXTENSIONS:** Any owner of property situated on a street or highway in which no water main has been laid (or where the main has been laid, but has not been extended to the point opposite the owner's property), may make application to the Utility requesting permission to have such a servicing extension carried out. The Utility would review the application and either give approval in principle for the extension, or advise the property owner that the extension is not feasible, and will provide the owner with the reason for refusing permission.

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

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

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