



2024 Town of Wasaga Beach Water / Wastewater Rates Update



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Introduction

The Safe Drinking Water Act (SDWA) was passed in December, 2002 in order to address some of the recommendations made by the Walkerton Inquiry Part II report. One of the main requirements of the Act is the mandatory licensing of municipal water providers. Section 31 (1) specifically states:

“No person shall:

- a) establish a new municipal drinking water system or replace or carry out an alteration to a municipal drinking water system except under the authority of and in accordance with an approval under this Part or a drinking water works permit;

or

- b) use or operate a municipal drinking water system that was established before or after this section comes into force except under the authority of and in accordance with an approval under this Part or municipal drinking water license.”

In order to become licensed, a municipality must satisfy five key requirements as per section 44 (1):

1. Obtain a drinking water works permit.
2. Acceptance of the operational plan for the system based on the Drinking Water Quality Management Standard.
3. Accreditation of the operating authority.
4. Prepare and provide a financial plan satisfying the requirements of the SDWA.
5. Obtain permit to take water.

The preparation of a financial plan is a key requirement for licensing and as such, must be undertaken by all water providers.

O.Reg. 453/07 also provides details with regards to s.30 (1) part b of the SDWA for *existing* water systems. The requirements for existing systems are summarized as follows:

- Financial plans must be approved by Council resolution (or governing body);
- Financial plans must include a statement that the financial impacts have been considered and apply for a minimum six-year period (commencing when the system first serves the public);
- Financial plans must include details regarding proposed or projected financial operations itemized by total revenues, total expenses, annual surplus/deficit and accumulated surplus/deficit (i.e. the components of a “Statement of Operations” as per the PSAB) for each year in which the financial plans apply;
- Financial plans must present financial position itemized by total financial assets, total liabilities, net debt, non-financial assets, and tangible capital assets (i.e. the components of a “Statement of Financial Position” as per PSAB) for each year in which the financial plans apply; and Gross cash receipts/payments itemized by

operating transactions, capital transactions, investing transactions and financial transactions (i.e. the components of a “Statement of Cash Flow” as per PSAB) for each year in which the financial plans apply.

- Financial plans applicable to two or more solely-owned drinking water systems can be prepared as if they are for one drinking water system.
- Financial plans are to be made available to the public upon request and at no charge;
- If a website is maintained, financial plans are to be made available to the public through publication on the Internet at no charge.

Water/Wastewater Rate Methods

The Water/Wastewater system is a self-sustaining system where all funds generated (i.e. surplus/(deficits)) are maintained in a Reserve fund to help pay for future replacement/maintenance of the assets. The rate study helps the Town determine how much is required in the future for asset management and ensures that the system remains financially sustainable. When rates are established the responsibility to maintain/replace the system is one of the most important factors, however affordability is also a key component.

At the Town of Wasaga Beach there are two components to the Water/Wastewater Bill the first is an annual fixed (base) charge and equates to \$415.44/year (based on 2024 proposed rates) for a Single-Family Home. These fixed charges are collected mainly to pay for the operation of the system and provide a contribution to the Lifecycle reserve.

The second component of the billing is the volumetric (consumption) charge and this is based on the amount of water used by the resident. On average, for a Single-Family Home, 170m³ per year (based on 2023 usage) is used, which equates to a total amount of \$205.70/year (based on 2024 proposed rates). The volumetric portion of the billing is intended to make contributions to the Lifecycle reserve to once again ensure future sustainability.

There are many different methods to charge for water/wastewater some examples are:

- 1) Using both a fixed charge and a volumetric rate - as the Town of Wasaga Beach and many other municipalities do today;
- 2) Using only a volumetric rate i.e. an increased rate per cubic meter – generally used in larger cities where seasonal fluctuations have less impact;
- 3) Including fixed rates and using increased volumetric rates where usage goes over a particular amount i.e. in some municipalities the first 30m³ is charged at a lower rate than the next 30m³ and etc.; and
- 4) Flat rate (i.e. non-metered billing) – very few municipalities continue without meters due to the push in conservation efforts.

The Town of Wasaga Beach chose to use a Fixed/Volumetric method as it helps to ensure a more continuous revenue stream with less fluctuation in rates, since consumption patterns vary on a seasonal basis and may vary significantly from year to year.

Water/Wastewater Rate History

On April 1, 2009, the Town implemented metered water and wastewater billing and replaced flat rate billing. Metered billing is a fairer system of billing for use as customers pay for what they use and it is also an effective way to conserve water in that people can control how much they use and ultimately how much they pay.

The Town's initial rates were established based on a thorough study conducted by Economists Watson and Associates based on information available at the time. The new rates put in place were the lowest amongst the surrounding municipalities. These rates were then updated for 2011 based on further analysis by Watson and Associates based on the first 14 months of metered billing.

Since that time, the rates have been reviewed annually to ensure that we are continuing to operate in a fiscally responsible manner that addresses present and future needs.

2024 STUDY

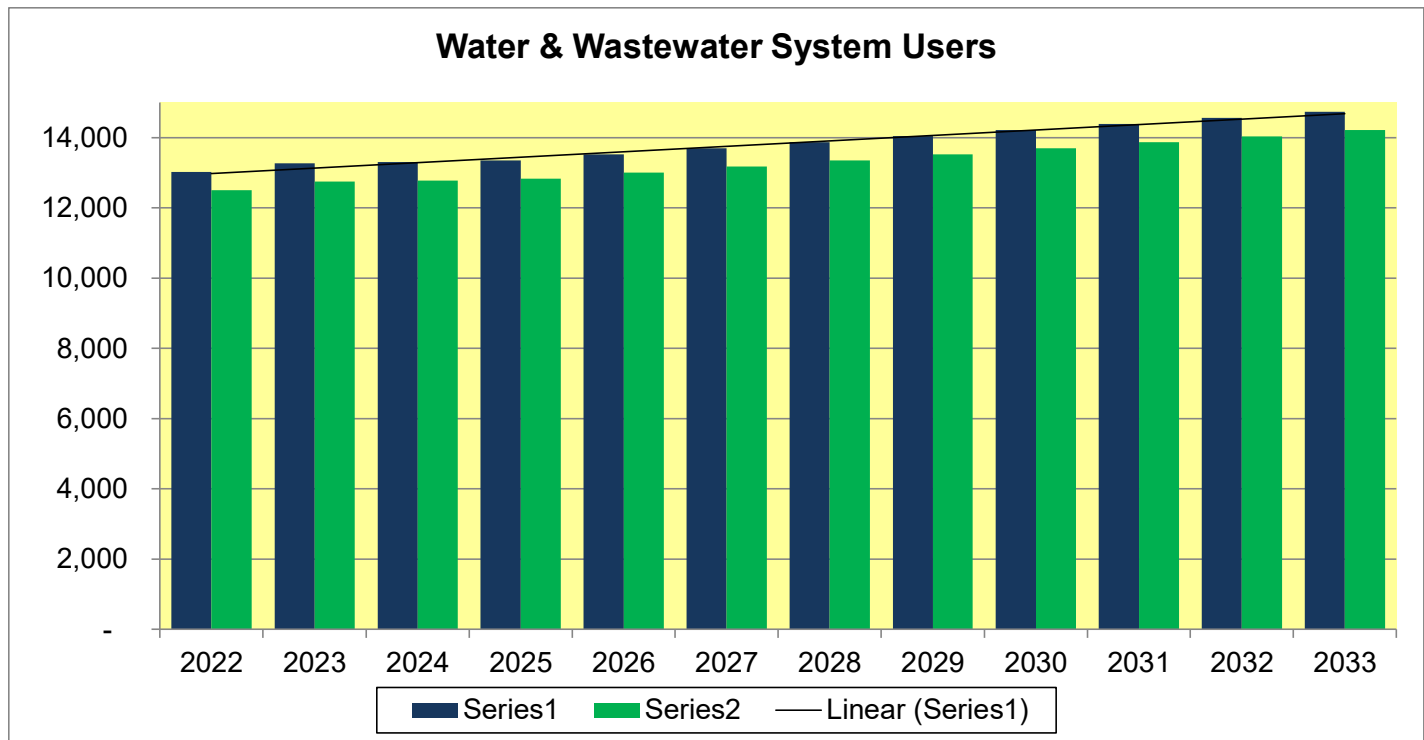
1. Assumptions

The assumptions used to conduct this year's study were based on a thorough analysis of market factors. These assumptions include:

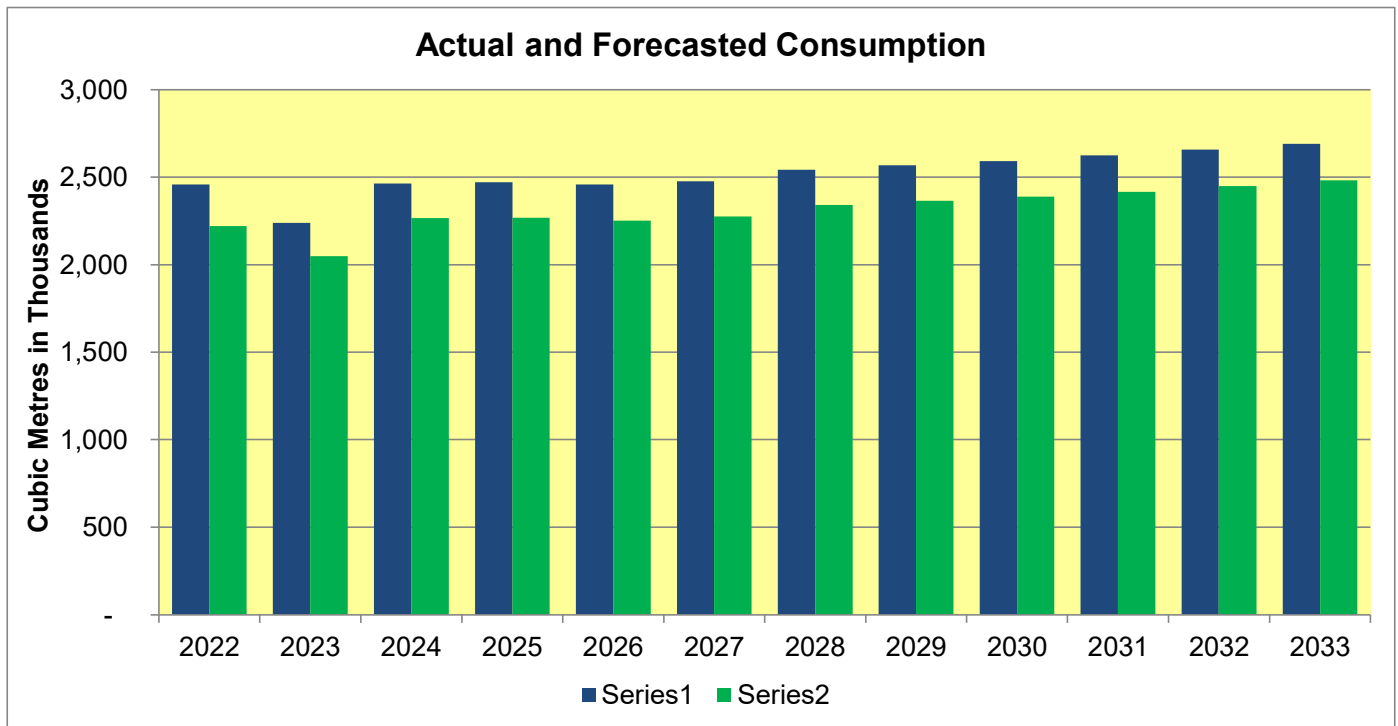
- Inflation at 2.5% per year (note that the 2023 CPI rate in October is 6.6%, however since this study is forward looking the inflation rate has been maintained at normal levels);
- Operational Costs are based on the 2023 projected year end results (note that the 2024 Budget is in progress);
- Capital Projects are based on both the staff prepared draft 2023 10 Year Plan and the 2023 Draft Ontario Clean Water Agency (OCWA) Capital Plan which forecast 2024 to 2034;
- Energy costs increase at 4 - 6% per year;
- Salaries and benefits follow the current salary grid, along with Union Contracts;
- Interest rates accumulated on investments at 2.5% per year.

2. System Users and Consumption

The study began with a detailed look at the current users of the system as well as (see Tables 1-1 & 1-2) a forecast for new users. The new users of the system were based on the 2020 Development Charge Study on a conservative basis of 80% of the new homes forecasted. The graph below depicts the number of users from 2021 to 2033 as you can see the number of users at the end of 2033 is expected to be 14,735.



Once the number of users is known the average consumption amount is then calculated based on historical data from the Town's billing system. At this point, using a rolling average, it is predicted that the average consumption levels will be approximately 170m³ in 2023.



3. Operational Revenues and Costs

There are two (2) revenue streams for the Water/Wastewater system, the fixed (base) charge and the volumetric (consumption) charge.

The base charge is calculated taking into account the expected number of users and the CPI indexed base rate from the previous year. This charge is intended to pay for the operational costs of the system with a small contribution expected for the Lifecycle Reserve (see Tables 2-1 & 2-2).

The Consumption charge is determined using the forecasted usage noted above and the expected funds that will be required to replace and repair the assets of the system.

Operational Costs are reflective of the current year's projection with inflationary factors included as noted above. Tables 3-1 and 3-2 detail the actual and forecasted costs and revenues from 2021 to 2033.

4. Asset Inventory

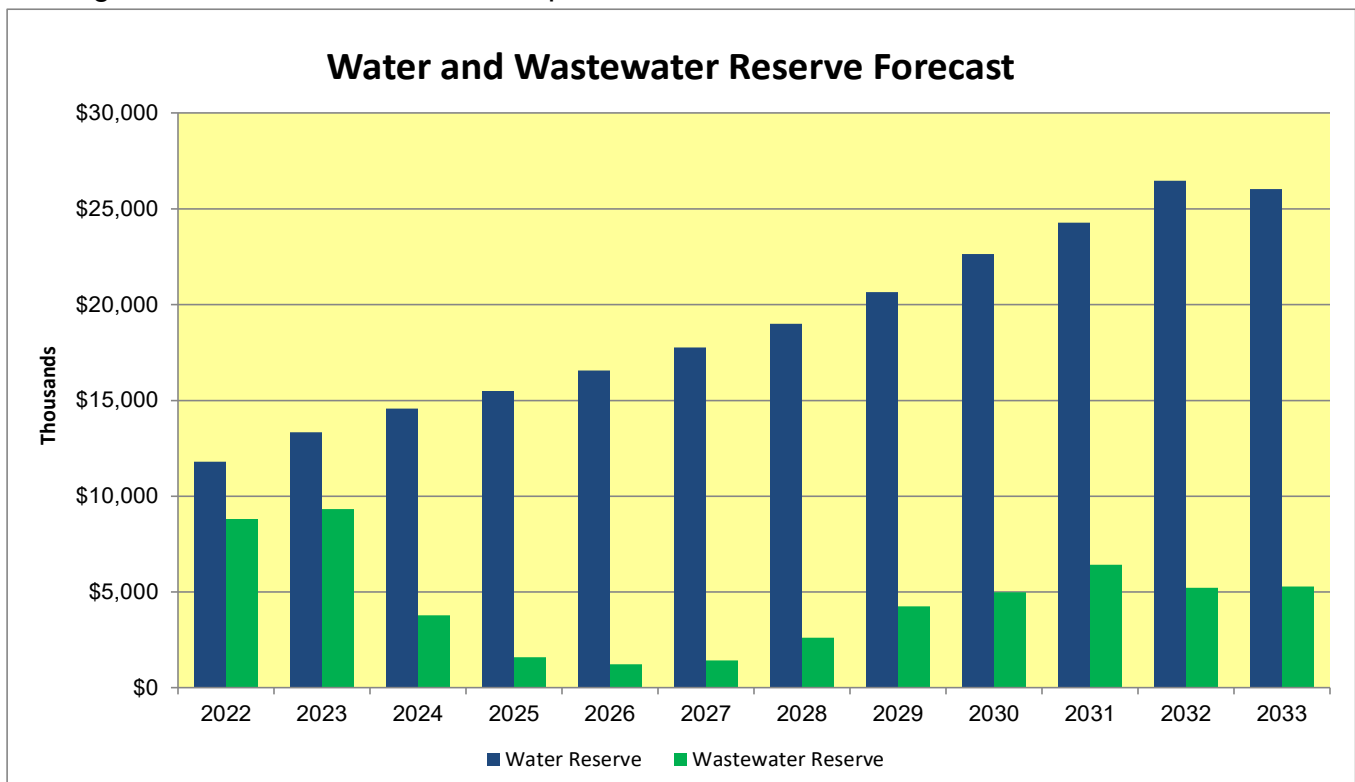
The next step of the study is to review the inventory of assets in the system and the predicted replacement requirements as well as any updates that may be needed.

Based on the assumptions provided (i.e. replacement schedule is based on the “normal” number of years an asset will last) and OCWA’s 2023 review of the asset inventory, there will be large replacement/upgrade expenditures over the next 10 years especially on the wastewater side with \$21 Million in investments required up to 2033. This investment then peaks again in the year 2059 with up to an additional \$150 Million anticipated over the following 30 years as the water-mains and sewer lines reach the end of their estimated useful lives and begin to require replacement.

It is important to note that this is based on information known at this time and the timing and cost of replacement can vary and is dependent on many factors including actual versus expected wear and tear on the system assets, inflation and the changing needs of the Town.

Using the rates calculated and the asset replacement the reserves are forecasted as noted in Tables 4-1 & 4-2. The graph below illustrates the reserve balances anticipated over the next 10 years.

While the water reserve balance is building to a healthy level in anticipation of the large projects expected in the future, there are a number of wastewater projects occurring in the short term, drawing on the wastewater reserve balance. These balances will need to be replenished to levels that will sustain the wastewater system as the large projects noted above are completed. The forecasted rates shown in Tables 2-2 and 3-2 incorporate a larger annual increase to start this process.



5. Proposed 2024 Rates

For 2024 it is being proposed that both the base rates and consumption rates for water services increase by 4.0% to address the increased cost of operations while continuing to build the water reserve in a consistent manner to address the anticipated future investments.

As noted above, the wastewater reserves will need to be replenished in order to meet the upcoming needs of the system. It is being proposed that both the base rates and consumption rates for wastewater services increase by 8.25%.

These increases are intended to assist in the funding gap between the aging infrastructure and the contributions made to the reserves each year. New infrastructure related to new development can be funded with development charges but repairs and future replacement of those assets and existing assets are funded from reserves.

In 2022, the province passed the Bill 23, More Homes Built Faster Act, 2022. This will affect the timing and amount of development charges received on new building projects and may result in some new projects being funded from the water and wastewater reserves rather than the development charges. The effect of this will be seen more clearly in coming years and it is important to prepare for it now.

Other municipalities are experiencing similar demands on their water and wastewater reserves as the cost of operations and of capital projects increase and systems age. Orillia is anticipating a blended water/wastewater increase of approximately 6% in 2024 and Penetanguishene is anticipating a water rate increase of 4.5% and wastewater of 8%.

Additionally, the proposed rates will assist in compensating for increased operational costs of the system as it expands. This new rate will result in an increase for the average residential home of \$38.20/year or \$3.18/month based on the 2023 average consumption rate of 170m³ (Schedule A includes the detailed rates breakdown).

Conclusion

The Town of Wasaga Beach continues to be a low-cost provider of Water/Wastewater services. Financial Sustainability is one of Council's priorities and addressing the increase in the cost of operations and the need to build reserves to meet anticipated needs is key to achieving this. Based on the proposed rates combined with regular review of forecasts as they are updated annually, the reserve replenishment recommendations and the information known today the system is expected to be financially sustainable over the next 25 years.

Table 1-1
Water System User Forecast

Total New Year Water Users	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
2024	173	-	-	121	52	173	173	173	173	173	173	173	
2025	173	-	-	-	121	52	173	173	173	173	173	173	
2026	173	-	-	-	-	121	52	173	173	173	173	173	
2027	173	-	-	-	-	-	121	52	173	173	173	173	
2028	173	-	-	-	-	-	-	121	52	173	173	173	
2029	173	-	-	-	-	-	-	-	121	52	173	173	
2030	173	-	-	-	-	-	-	-	-	121	52	173	
2031	173	-	-	-	-	-	-	-	-	-	121	52	
2032	173	-	-	-	-	-	-	-	-	-	-	121	
2033	173	-	-	-	-	-	-	-	-	-	-	-	
Total	1,728	-	-	121	173	346	518	691	864	1,037	1,210	1,382	1,555
m ³ / user		-	-	187	187	187	187	187	187	187	187	187	187
Annual Flow		-	-	22,651	32,359	64,718	97,077	129,436	161,795	194,153	226,512	258,871	291,230

Current Users	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Flat Rate	248	352	263	263	263	263	263	263	263	263	263	263
Conversions to Meter			(131)	(131)	(131)	(131)	(131)	(131)	(131)	(131)	(131)	(131)
Total Flat Rate	248	352	131	131	131	131	131	131	131	131	131	131
3/4" Meter (Res)	10,206	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211	10,211
3/4" Meter (Non - Res)	107	108	108	108	108	108	108	108	108	108	108	108
Flat User Conversions	-	-	131	131	131	131	131	131	131	131	131	131
New	-	-	121	173	346	518	691	864	1,037	1,210	1,382	1,555
Total 3/4" Meter	10,313	10,319	10,571	10,623	10,796	10,969	11,142	11,314	11,487	11,660	11,833	12,006
1" Meter (Res)	670	805	805	805	805	805	805	805	805	805	805	805
1" Meter (Non - Res)	15	16	16	16	16	16	16	16	16	16	16	16
1.5" Meter (Res)	10	10	10	10	10	10	10	10	10	10	10	10
1.5" Meter (Non - Res)	174	174	174	174	174	174	174	174	174	174	174	174
2" Meter	68	68	68	68	68	68	68	68	68	68	68	68
4" Meter	5	5	5	5	5	5	5	5	5	5	5	5
6" Meter	17	17	17	17	17	17	17	17	17	17	17	17
Lifestyle Condo Units	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503
Total Other Meters	2,462	2,598	2,598	2,598	2,598	2,598	2,598	2,598	2,598	2,598	2,598	2,598
Grand Total	13,023	13,269	13,301	13,353	13,525	13,698	13,871	14,044	14,217	14,389	14,562	14,735

Consumer Consumption Forecast (m ³)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing	2,459,410	2,239,020	2,441,035	2,439,477	2,394,736	2,378,567	2,413,454	2,406,558	2,398,329	2,398,329	2,399,227	2,399,227
New	-	-	22,651	32,359	64,718	97,077	129,436	161,795	194,153	226,512	258,871	291,230
Total	2,459,410	2,239,020	2,463,686	2,471,836	2,459,453	2,475,644	2,542,889	2,568,353	2,592,482	2,624,841	2,658,098	2,690,457

Table 1-2
Wastewater System User Forecast

Year	Total New WW Users	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
2024	173	-	-	121	52	173	173	173	173	173	173	173	173
2025	173	-	-	-	121	52	173	173	173	173	173	173	173
2026	173	-	-	-	-	121	52	173	173	173	173	173	173
2027	173	-	-	-	-	-	121	52	173	173	173	173	173
2028	173	-	-	-	-	-	-	121	52	173	173	173	173
2029	173	-	-	-	-	-	-	-	121	52	173	173	173
2030	173	-	-	-	-	-	-	-	-	121	52	173	173
2031	173	-	-	-	-	-	-	-	-	-	121	52	173
2032	173	-	-	-	-	-	-	-	-	-	-	121	52
2033	173	-	-	-	-	-	-	-	-	-	-	-	121
Total	1,728	-	-	121	173	346	518	691	864	1,037	1,210	1,382	1,555
m ³ / user		-	-	187	187	187	187	187	187	187	183	183	183
Annual Flow		-	-	22,651	32,359	64,718	97,077	129,436	161,795	194,153	221,089	252,673	284,258

Current Users	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Flat Rate	246	351	262	262	262	262	262	262	262	262	262	262
Conversions to Meter			(131)	(131)	(131)	(131)	(131)	(131)	(131)	(131)	(131)	(131)
Total Flat Rate	246	351	131	131	131	131	131	131	131	131	131	131
3/4" Meter (Res)	9,713	9,718	9,718	9,718	9,718	9,718	9,718	9,718	9,718	9,718	9,718	9,718
3/4" Meter (Non - Res)	103	103	103	103	103	103	103	103	103	103	103	103
Flat User Conversions	-	-	131	131	131	131	131	131	131	131	131	131
New	-	-	121	173	346	518	691	864	1,037	1,210	1,382	1,555
Total 3/4" Meter	9,816	9,821	10,073	10,125	10,297	10,470	10,643	10,816	10,989	11,161	11,334	11,507
1" Meter (Res)	657	792	792	792	792	792	792	792	792	792	792	792
1" Meter (Non - Res)	13	14	14	14	14	14	14	14	14	14	14	14
1.5" Meter (Res)	8	8	8	8	8	8	8	8	8	8	8	8
1.5" Meter (Non - Res)	173	173	173	173	173	173	173	173	173	173	173	173
2" Meter	66	66	66	66	66	66	66	66	66	66	66	66
4" Meter	5	5	5	5	5	5	5	5	5	5	5	5
6" Meter	16	16	16	16	16	16	16	16	16	16	16	16
Lifestyle Condo Units	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503
Total Other Meters	2,441	2,577	2,577	2,577	2,577	2,577	2,577	2,577	2,577	2,577	2,577	2,577
Grand Total	12,503	12,749	12,780	12,832	13,005	13,178	13,351	13,524	13,696	13,869	14,042	14,215

Water Consumption Forecast (m ³)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing	2,221,005	2,047,875	2,242,916	2,236,920	2,187,179	2,178,723	2,211,435	2,203,564	2,195,225	2,195,225	2,197,237	2,197,237
New	-	-	22,651	32,359	64,718	97,077	129,436	161,795	194,153	221,089	252,673	284,258
Total	2,221,005	2,047,875	2,265,568	2,269,279	2,251,897	2,275,800	2,340,870	2,365,359	2,389,379	2,416,314	2,449,910	2,481,494

Table 2-1
Base Charges Water

3/4" (19mm) meter	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	10,313	10,319	10,319	10,319	10,319	10,319	10,319	10,319	10,319	10,319	10,319	10,319
Flat rate Conversions	-	-	131	131	131	131	131	131	131	131	131	131
New Customers	-	-	121	173	346	518	691	864	1,037	1,210	1,382	1,555
Sub-Total All Customers	10,313	10,319	10,571	10,623	10,796	10,969	11,142	11,314	11,487	11,660	11,833	12,006
Mthly Base Charge	14.43	14.94	15.54	16.16	16.81	17.48	18.18	18.91	19.67	20.46	21.28	21.28
Annual Base Charge	173.16	179.28	186.48	193.92	201.72	209.76	218.16	226.92	236.04	245.52	255.36	255.36
Sub-Total Annual Revenue	1,785,799	1,849,990	1,971,343	2,060,046	2,177,764	2,300,810	2,430,646	2,567,458	2,711,433	2,862,757	3,021,617	3,065,744

Flat Rate	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	248	352	131	131	131	131	131	131	131	131	131	131
Sub-Total All Customers	248	352	131	131	131	131	131	131	131	131	131	131
Mthly Base Charge	18.48	19.13	19.90	20.70	21.53	22.39	23.29	24.22	25.19	26.20	27.25	27.25
Annual Base Charge	221.76	229.56	238.80	248.40	258.36	268.68	279.48	290.64	302.28	314.40	327.00	327.00
Sub-Total Annual Revenue	54,996	80,805	31,372	32,634	33,942	35,298	36,717	38,183	39,712	41,304	42,960	42,960

1" (25mm) meter (Res)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	670	805	805	805	805	805	805	805	805	805	805	805
Sub-Total All Customers	670	805	805	805	805	805	805	805	805	805	805	805
Mthly Base Charge	14.43	14.94	15.54	16.16	16.81	17.48	18.18	18.91	19.67	20.46	21.28	21.28
Annual Base Charge	173.16	179.28	186.48	193.92	201.72	209.76	218.16	226.92	236.04	245.52	255.36	255.36
Sub-Total Annual Revenue	116,017	144,320	150,116	156,106	162,385	168,857	175,619	182,671	190,012	197,644	205,565	205,565

1" (25mm) meter (Non-Res)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	15	16	16	16	16	16	16	16	16	16	16	16
Sub-Total All Customers	15	16	16	16	16	16	16	16	16	16	16	16
Mthly Base Charge	20.21	20.92	21.76	22.63	23.54	24.48	25.46	26.48	27.54	28.64	29.79	29.79
Annual Base Charge	242.52	251.04	261.12	271.56	282.48	293.76	305.52	317.76	330.48	343.68	357.48	357.48
Sub-Total Annual Revenue	3,638	4,017	4,178	4,345	4,520	4,700	4,888	5,084	5,288	5,499	5,720	5,720

1.5" (40mm) meter (Res)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	10	10	10	10	10	10	10	10	10	10	10	10
Sub-Total All Customers	10	10	10	10	10	10	10	10	10	10	10	10
Mthly Base Charge	14.43	14.94	15.54	16.16	16.81	17.48	18.18	18.91	19.67	20.46	21.28	21.28
Annual Base Charge	173.16	179.28	186.48	193.92	201.72	209.76	218.16	226.92	236.04	245.52	255.36	255.36
Sub-Total Annual Revenue	1,732	1,793	1,865	1,939	2,017	2,098	2,182	2,269	2,360	2,455	2,554	2,554

1.5" (40mm) meter (Non - Res)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	174	174	174	174	174	174	174	174	174	174	174	174
Sub-Total All Customers	174	174	174	174	174	174	174	174	174	174	174	174
Mthly Base Charge	26.00	26.91	27.99	29.11	30.27	31.48	32.74	34.05	35.41	36.83	38.30	38.30
Annual Base Charge	312.00	322.92	335.88	349.32	363.24	377.76	392.88	408.60	424.92	441.96	459.60	459.60
Sub-Total Annual Revenue	54,288	56,188	58,443	60,782	63,204	65,730	68,361	71,096	73,936	76,901	79,970	79,970

Table 2-1 (cont'd)
Base Charges Water

2" (50mm) meter	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	68	68	68	68	68	68	68	68	68	68	68	68
Sub-Total All Customers	68	68	68	68	68	68	68	68	68	68	68	68
Mthly Base Charge	41.90	43.37	45.10	46.90	48.78	50.73	52.76	54.87	57.06	59.34	61.71	61.71
Annual Base Charge	502.80	520.44	541.20	562.80	585.36	608.76	633.12	658.44	684.72	712.08	740.52	740.52
Sub-Total Annual Revenue	34,190	35,390	36,802	38,270	39,804	41,396	43,052	44,774	46,561	48,421	50,355	50,355

4" (100mm) meter	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	5	5	5	5	5	5	5	5	5	5	5	5
Sub-Total All Customers	5	5	5	5	5	5	5	5	5	5	5	5
Mthly Base Charge	202.30	209.38	217.76	226.47	235.53	244.95	254.75	264.94	275.54	286.56	298.02	298.02
Annual Base Charge	2,427.60	2,512.56	2,613.12	2,717.64	2,826.36	2,939.40	3,057.00	3,179.28	3,306.48	3,438.72	3,576.24	3,576.24
Sub-Total Annual Revenue	12,138	12,563	13,066	13,588	14,132	14,697	15,285	15,896	16,532	17,194	17,881	17,881

6" (150mm) meter	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	17	17	17	17	17	17	17	17	17	17	17	17
Sub-Total All Customers	17	17	17	17	17	17	17	17	17	17	17	17
Mthly Base Charge	303.46	314.08	326.64	339.71	353.30	367.43	382.13	397.42	413.32	429.85	447.04	447.04
Annual Base Charge	3,641.52	3,768.96	3,919.68	4,076.52	4,239.60	4,409.16	4,585.56	4,769.04	4,959.84	5,158.20	5,364.48	5,364.48
Sub-Total Annual Revenue	61,906	64,072	66,635	69,301	72,073	74,956	77,955	81,074	84,317	87,689	91,196	91,196

Lifestyle/Condo Units	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503
Sub-Total All Customers	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503
Mthly Base Charge	10.84	11.22	11.67	12.14	12.63	13.14	13.67	14.22	14.79	15.38	16.00	16.00
Annual Base Charge	130.08	134.64	140.04	145.68	151.56	157.68	164.04	170.64	177.48	184.56	192.00	192.00
Sub-Total Annual Revenue	195,510	202,364	210,480	218,957	227,795	236,993	246,552	256,472	266,752	277,394	288,576	288,576

Total	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Total All Customers	13,023	13,269	13,301	13,353	13,525	13,698	13,871	14,044	14,217	14,389	14,562	14,735
Total Annual Revenue	2,320,215	2,451,502	2,544,299	2,655,968	2,797,636	2,945,534	3,101,256	3,264,977	3,436,904	3,617,258	3,806,394	3,850,520

Table 2-2
Base Charges Wastewater

3/4" (19mm) meter	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	9,816	9,821	9,821	9,821	9,821	9,821	9,821	9,821	9,821	9,821	9,821	9,821
Flat rate Conversions	-	-	131	131	131	131	131	131	131	131	131	131
New Customers	-	-	121	173	346	518	691	864	1,037	1,210	1,382	1,555
Sub-Total All Customers	9,816	9,821	10,073	10,125	10,297	10,470	10,643	10,816	10,989	11,161	11,334	11,507
Mthly Base Charge	16.95	17.63	19.08	20.65	22.35	24.19	26.19	28.35	30.69	33.22	35.96	35.96
Annual Base Charge	203.40	211.56	228.96	247.80	268.20	290.28	314.28	340.20	368.28	398.64	431.52	431.52
Sub-Total Annual Revenue	1,996,574	2,077,731	2,306,248	2,508,863	2,761,749	3,039,275	3,344,866	3,679,518	4,046,863	4,449,361	4,890,912	4,965,479

Flat Rate	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	246	351	131	131	131	131	131	131	131	131	131	131
Sub-Total All Customers	246	351	131	131	131	131	131	131	131	131	131	131
Mthly Base Charge	21.91	22.79	24.67	26.71	28.91	31.30	33.88	36.68	39.71	42.99	46.54	46.54
Annual Base Charge	262.92	273.48	296.04	320.52	346.92	375.60	406.56	440.16	476.52	515.88	558.48	558.48
Sub-Total Annual Revenue	64,678	95,991	38,707	41,908	45,360	49,110	53,158	57,551	62,305	67,451	73,021	73,021

1" (25mm) meter (Res)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	657	792	792	792	792	792	792	792	792	792	792	792
Sub-Total All Customers	657	792	792	792	792	792	792	792	792	792	792	792
Mthly Base Charge	16.95	17.63	19.08	20.65	22.35	24.19	26.19	28.35	30.69	33.22	35.96	35.96
Annual Base Charge	203.40	211.56	228.96	247.80	268.20	290.28	314.28	340.20	368.28	398.64	431.52	431.52
Sub-Total Annual Revenue	133,634	167,556	181,336	196,258	212,414	229,902	248,910	269,438	291,678	315,723	341,764	341,764

1" (25mm) meter (Non-Res)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	13	14	14	14	14	14	14	14	14	14	14	14
Sub-Total All Customers	13	14	14	14	14	14	14	14	14	14	14	14
Mthly Base Charge	23.69	24.64	26.67	28.87	31.25	33.83	36.62	39.64	42.91	46.45	50.28	50.28
Annual Base Charge	284.28	295.68	320.04	346.44	375.00	405.96	439.44	475.68	514.92	557.40	603.36	603.36
Sub-Total Annual Revenue	3,696	4,140	4,481	4,850	5,250	5,683	6,152	6,660	7,209	7,804	8,447	8,447

1.5" (40mm) meter (Res)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	8	8	8	8	8	8	8	8	8	8	8	8
Sub-Total All Customers	8	8	8	8	8	8	8	8	8	8	8	8
Mthly Base Charge	16.95	17.63	19.08	20.65	22.35	24.19	26.19	28.35	30.69	33.22	35.96	35.96
Annual Base Charge	203.40	211.56	228.96	247.80	268.20	290.28	314.28	340.20	368.28	398.64	431.52	431.52
Sub-Total Annual Revenue	1,627	1,692	1,832	1,982	2,146	2,322	2,514	2,722	2,946	3,189	3,452	3,452

1.5" (40mm) meter (Non - Res)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	173	173	173	173	173	173	173	173	173	173	173	173
Sub-Total All Customers	173	173	173	173	173	173	173	173	173	173	173	173
Mthly Base Charge	30.49	31.71	34.33	37.16	40.23	43.55	47.14	51.03	55.24	59.80	64.73	64.73
Annual Base Charge	365.88	380.52	411.96	445.92	482.76	522.60	565.68	612.36	662.88	717.60	776.76	776.76
Sub-Total Annual Revenue	63,297	65,830	71,269	77,144	83,517	90,410	97,863	105,938	114,678	124,145	134,379	134,379

Table 2-2 (cont'd)
Base Charges Wastewater

2" (50mm) meter	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	66	66	66	66	66	66	66	66	66	66	66	66
Sub-Total All Customers	66	66	66	66	66	66	66	66	66	66	66	66
Mthly Base Charge	49.12	51.08	55.29	59.85	64.79	70.14	75.93	82.19	88.97	96.31	104.26	104.26
Annual Base Charge	589.44	612.96	663.48	718.20	777.48	841.68	911.16	986.28	1,067.64	1,155.72	1,251.12	1,251.12
Sub-Total Annual Revenue	38,903	40,455	43,790	47,401	51,314	55,551	60,137	65,094	70,464	76,278	82,574	82,574
4" (100mm) meter	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	5	5	5	5	5	5	5	5	5	5	5	5
Sub-Total All Customers	5	5	5	5	5	5	5	5	5	5	5	5
Mthly Base Charge	237.18	246.67	267.02	289.05	312.90	338.71	366.65	396.90	429.64	465.09	503.46	503.46
Annual Base Charge	2,846.16	2,960.04	3,204.24	3,468.60	3,754.80	4,064.52	4,399.80	4,762.80	5,155.68	5,581.08	6,041.52	6,041.52
Sub-Total Annual Revenue	14,231	14,800	16,021	17,343	18,774	20,323	21,999	23,814	25,778	27,905	30,208	30,208
6" (150mm) meter	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	16	16	16	16	16	16	16	16	16	16	16	16
Sub-Total All Customers	16	16	16	16	16	16	16	16	16	16	16	16
Mthly Base Charge	355.76	369.99	400.51	433.55	469.32	508.04	549.95	595.32	644.43	697.60	755.15	755.15
Annual Base Charge	4,269.12	4,439.88	4,806.12	5,202.60	5,631.84	6,096.48	6,599.40	7,143.84	7,733.16	8,371.20	9,061.80	9,061.80
Sub-Total Annual Revenue	68,306	71,038	76,898	83,242	90,109	97,544	105,590	114,301	123,731	133,939	144,989	144,989
Lifestyle/Condo Units	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Existing Customers	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503
Sub-Total All Customers	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503
Mthly Base Charge	12.70	13.21	14.30	15.48	16.76	18.14	19.64	21.26	23.01	24.91	26.97	26.97
Annual Base Charge	152.40	158.52	171.60	185.76	201.12	217.68	235.68	255.12	276.12	298.92	323.64	323.64
Sub-Total Annual Revenue	229,057	238,256	257,915	279,197	302,283	327,173	354,227	383,445	415,008	449,277	486,431	486,431
Total	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Total All Customers	12,503	12,749	12,780	12,832	13,005	13,178	13,351	13,524	13,696	13,869	14,042	14,215
Total Revenue	2,614,004	2,777,489	2,998,496	3,258,189	3,572,917	3,917,292	4,295,416	4,708,482	5,160,661	5,655,071	6,196,177	6,270,744

Table 3-1A
Water Services – Operating Budget/Forecast

Description	Actual	Forecast										
	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Operating Costs - Water System												
Full-Time Wages-Water	468,571	489,389	462,490	471,740	481,175	490,798	500,614	510,626	520,839	531,256	531,256	541,881
Full-Time O/T	57,872	54,231	6,500	6,630	6,763	6,898	7,036	7,177	7,320	7,466	7,466	7,616
Part-Time Wages	10,475	1,704	6,890	7,028	7,168	7,312	7,458	7,607	7,759	7,914	7,914	8,073
Part-Time O/T	-	40	-	-	-	-	-	-	-	-	-	-
Standby & Shift Premiums	-	-	7,670	7,823	7,980	8,139	8,302	8,468	8,638	8,810	8,810	8,987
Employee Benefits	149,055	159,367	165,860	172,494	179,394	186,570	194,033	201,794	209,866	218,260	218,260	226,991
Office	1,129	2,663	3,260	3,342	3,425	3,511	3,598	3,688	3,781	3,875	3,875	3,972
Software Licenses & Maintenance	12,884	20,576	28,840	30,282	31,796	33,386	35,055	36,808	38,648	40,581	40,581	42,610
Telecommunications	29,461	30,000	30,000	30,600	31,212	31,836	32,473	33,122	33,785	34,461	34,461	35,150
Utilities (Furnace Oil, Gas, Etc)	4,651	4,523	4,310	4,526	4,752	4,989	5,239	5,501	5,776	6,065	6,065	6,368
Water and Wastewater	599	547	860	882	904	926	949	973	997	1,022	1,022	1,048
Hydro	200,784	200,877	236,250	248,063	260,466	273,489	287,163	301,522	316,598	332,427	332,427	349,049
Water Material	97,614	87,200	50,000	51,250	52,531	53,845	55,191	56,570	57,985	59,434	59,434	60,920
Vehicle Maintenance Transfer	12,478	12,439	10,000	10,150	10,302	10,457	10,614	10,773	10,934	11,098	11,098	11,265
Vehicle Fuel	18,833	15,034	20,000	20,500	21,013	21,538	22,076	22,628	23,194	23,774	23,774	24,368
Water Conservation Rebate	20,760	17,160	18,000	18,450	18,911	19,384	19,869	20,365	20,874	21,396	21,396	21,931
Clothing Allowance	3,105	2,614	2,760	2,829	2,900	2,972	3,047	3,123	3,201	3,281	3,281	3,363
Safety Shoe/Boot Allowance	2,333	2,053	2,000	2,050	2,101	2,154	2,208	2,263	2,319	2,377	2,377	2,437
Meal Allowance	287	42	-	-	-	-	-	-	-	-	-	-
Miscellaneous	152	200	1,000	1,025	1,051	1,077	1,104	1,131	1,160	1,189	1,189	1,218
Telephone	4,626	5,113	3,060	3,137	3,215	3,295	3,378	3,462	3,549	3,637	3,637	3,728
Legal	-	-	2,500	2,563	2,627	2,692	2,760	2,829	2,899	2,972	2,972	3,046
Engineering	1,305	-	20,000	20,500	21,013	21,538	22,076	22,628	23,194	23,774	23,774	24,368
OCWA Operating	499,773	500,852	647,270	666,688	686,689	707,289	728,508	750,363	772,874	796,060	796,060	819,942
OCWA Repairs & Maintenance	225,583	189,696	326,000	855,000	855,000	855,000	855,000	855,000	855,000	855,000	855,000	855,000
Water/Sewer Capacity Annual Reports	16,690	5,733	15,000	15,375	15,759	16,153	16,557	16,971	17,395	17,830	17,830	18,276
Equipment Rental	2,450	2,000	5,000	5,125	5,253	5,384	5,519	5,657	5,798	5,943	5,943	6,092
Memberships	-	50	500	513	525	538	552	566	580	594	594	609
Drinking Water Licencing	6,804	2,836	3,500	3,588	3,677	3,769	3,863	3,960	4,059	4,160	4,160	4,264
Professional Development	11,597	7,940	10,000	10,250	10,506	10,769	11,038	11,314	11,597	11,887	11,887	12,184
Meals and Accommodations	90	221	-	-	-	-	-	-	-	-	-	-
Advertisements	643	-	500	513	525	538	552	566	580	594	594	609
Water System Modeling Update	-	-	-	-	-	-	50,000	-	-	-	-	-
Insurance	12,650	21,173	25,570	29,406	33,816	38,889	44,722	51,430	59,145	68,017	68,017	78,219
ON1Call Locate Fees	3,175	2,432	3,000	3,075	3,152	3,231	3,311	3,394	3,479	3,566	3,566	3,655
ESA Annual Inspection Fees	951	982	1,040	1,066	1,093	1,120	1,148	1,177	1,206	1,236	1,236	1,267
Provisions for Uncollectibles - Water	1,362	1,159	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Contracts	40,287	60,919	86,650	88,816	91,037	93,313	95,645	98,037	100,487	103,000	105,575	108,214
Transfer to Clerk	7,860	7,860	7,860	8,017	8,178	8,341	8,508	8,678	8,852	9,029	9,029	9,209
Transfer to Admin	51,060	51,060	51,060	52,081	53,123	54,185	55,269	56,374	57,502	58,652	58,652	59,825
Transfer to Treasury	77,840	77,840	77,840	79,397	80,985	82,604	84,257	85,942	87,660	89,414	89,414	91,202
Transfer to IT	37,750	37,750	37,750	38,505	39,275	40,061	40,862	41,679	42,513	43,363	43,363	44,230
Sub Total Operating	2,093,539	2,076,275	2,381,790	2,974,275	3,040,290	3,108,991	3,230,553	3,255,167	3,333,043	3,414,417	3,416,992	3,502,187
Capital-Related												
NEW CAPITAL DEBENTURES	-	-	103,860	415,437	415,437	415,437	415,437	311,577	150,000	150,000	150,000	150,000
	-	-	-	-	-	-	-	-	-	122,727	122,727	122,727
Sub Total Capital Related	-	-	103,860	415,437	415,437	415,437	415,437	311,577	150,000	272,727	272,727	272,727
Total Expenditures	2,093,539	2,076,275	2,485,650	3,389,712	3,455,727	3,524,428	3,645,990	3,566,744	3,483,043	3,687,144	3,689,719	3,774,914

Table 3-1A (cont'd)
Water Services – Operating Budget/Forecast

Description	Actual	Forecast										
	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Revenues												
Rental of Properties	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000
Sundry/Miscellaneous Receipts	786	3,600	-	-	-	-	-	-	-	-	-	-
Private Work - Water	4,442	-	-	-	-	-	-	-	-	-	-	-
Sale of Material and Equipment	-	-	500	500	500	500	500	500	500	500	500	500
Water On/Off	16,829	17,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Penalties/Interest on Water	29,292	18,200	14,540	14,540	14,540	14,540	14,540	14,540	14,540	14,540	14,540	14,540
Local Improvement Interest	8,009	8,000	1,650	1,551	1,458	1,370	1,288	1,211	1,138	1,070	1,070	1,006
Sundry/Miscellaneous Receipts	-	500	500	500	500	500	500	500	500	500	500	500
Bulk Water Station	2,637	7,300	3,000	3,000	3,000	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Water - Base Rate Revenue	2,365,050	2,578,126	2,544,299	2,655,968	2,797,636	2,945,534	3,101,256	3,264,977	3,436,904	3,617,258	3,806,394	3,850,520
Water Meter Activation Fee	7,960	4,480	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
New Account Activation Fee	22,240	27,380	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Interest Earned on Reserves	248,513	327,216	362,905	375,718	400,422	428,350	456,762	494,844	540,101	576,332	576,332	609,682
Total Operating Revenue	2,723,758	3,009,802	2,982,394	3,106,777	3,273,055	3,448,294	3,632,346	3,834,072	4,051,184	4,267,700	4,456,836	4,534,248
Water Billing Recovery - Operating	630,219	933,527	496,744	(282,935)	(182,671)	(76,134)	(13,644)	267,328	568,141	580,556	767,117	759,334
Lifecycle Reserve Contribution (\$)	1,613,983	1,918,696	1,619,620	888,014	1,014,696	1,160,721	1,289,621	1,615,001	1,959,171	2,019,553	2,206,653	2,246,855
Water Billing Recovery Consumption - Total	983,764	985,169	1,122,876	1,170,949	1,197,368	1,236,855	1,303,265	1,347,673	1,391,031	1,438,997	1,439,536	1,487,521

Table 3-1B
Water Services – Consumption Rate Forecast

Description	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Total Water Billing Consumption Recovered	983,764	985,169	1,122,876	1,170,949	1,197,368	1,236,855	1,303,265	1,347,673	1,391,031	1,438,997	1,439,536	1,487,521
Total Consumption (m3)	2,459,410	2,239,020	2,441,035	2,439,477	2,394,736	2,378,567	2,413,454	2,406,558	2,398,329	2,398,329	2,399,227	2,399,227
Constant Rate	0.40	0.44	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60	0.60	0.62

Table 3-2A
Wastewater Services – Operating Budget/Forecast

Description	Actual	Forecast										
	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Operating Costs - Wastewater System												
Full-Time Wages-Sewer	322,345	290,858	471,740	481,175	490,798	500,614	510,627	520,839	531,256	541,881	541,881	552,719
Full-Time O/T	48,327	46,451	6,500	6,630	6,763	6,898	7,036	7,177	7,320	7,466	7,466	7,616
Standby & Shift Premiums	-	-	7,670	7,823	7,980	8,139	8,302	8,468	8,638	8,810	8,810	8,987
Part-Time Wages	6,570	1,776	6,890	7,028	7,168	7,312	7,458	7,607	7,759	7,914	7,914	8,073
Part-Time O/T		21	-	-	-	-	-	-	-	-	-	-
Employee Benefits	123,817	119,487	165,860	172,494	179,394	186,570	194,033	201,794	209,866	218,260	218,260	226,991
Office	137	1,961	3,260	3,342	3,425	3,511	3,598	3,688	3,781	3,875	3,875	3,972
Software Licenses & Maintenance	15,509	18,452	11,340	11,907	12,502	13,127	13,784	14,473	15,197	15,957	15,957	16,754
Telecommunications	26,859	30,000	30,000	30,600	31,212	31,836	32,473	33,122	33,785	34,461	34,461	35,150
Utilities (Furnace Oil, Gas, Etc)	26,798	26,785	17,370	18,239	19,150	20,108	21,113	22,169	23,277	24,441	24,441	25,663
Water and Wastewater	6,015	6,353	15,920	16,318	16,726	17,144	17,573	18,012	18,462	18,924	18,924	19,397
Hydro	650,653	658,138	708,750	744,188	781,397	820,467	861,490	904,565	949,793	997,282	997,282	1,047,147
Sewer Material	2,535	10,797	9,000	9,225	9,456	9,692	9,934	10,183	10,437	10,698	10,698	10,966
Vehicle Maintenance & Licenses	12,729	10,611	10,000	10,150	10,302	10,457	10,614	10,773	10,934	11,098	11,098	11,265
Vehicle Fuel	18,833	15,534	20,000	20,500	21,013	21,538	22,076	22,628	23,194	23,774	23,774	24,368
Clothing Allowance	1,427	-	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760
Safety Shoe/Boot Allowance	1,492	-	800	800	800	800	800	800	800	800	800	800
Meal Allowance	51	1,169	-	-	-	-	-	-	-	-	-	-
Miscellaneous	213	100	1,500	1,538	1,576	1,615	1,656	1,697	1,740	1,783	1,783	1,828
Telephone	956	743	3,180	3,260	3,341	3,425	3,510	3,598	3,688	3,780	3,780	3,875
Legal	-	-	3,180	3,260	3,341	3,425	3,510	3,598	3,688	3,780	3,780	3,875
Engineering	-	-	5,380	5,515	5,652	5,794	5,939	6,087	6,239	6,395	6,395	6,555
WPCP Sludge Haulage	133,607	116,261	150,000	154,500	159,135	163,909	168,826	173,891	179,108	184,481	184,481	190,016
OCWA Operating	740,515	845,949	811,230	835,570	860,640	886,460	913,050	940,442	968,655	997,714	997,714	1,027,646
OCWA Repairs & Maintenance	529,555	477,015	1,672,820	1,518,000	1,518,000	1,518,000	1,518,000	1,518,000	1,518,000	1,518,000	1,518,000	1,518,000
PILS Payments	82,969	90,415	74,170	76,024	77,925	79,873	81,870	83,917	86,014	88,165	88,165	90,369
Contracts	3,317	8,255	5,630	5,743	5,857	5,975	6,094	6,216	6,340	6,467	6,467	6,596
Annual Sewer Inspection (CCTV)	-	169,170	75,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,001	60,001
Sewer Rehabilitation	-	-	75,000	77,625	80,342	83,154	86,064	89,076	92,194	95,421	95,421	98,761
Professional Development	3,326	625	3,830	3,926	4,024	4,124	4,228	4,333	4,442	4,553	4,553	4,666
Advertisements	896	508	520	533	546	560	574	588	603	618	618	634
Sewage System Modeling Update								40,000				
Insurance	12,650	21,173	25,570	29,406	33,816	38,889	44,722	51,430	59,145	68,017	68,017	78,219
Insurance Claims-Sewer	-	-	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
ESA Annual Inspection Fees	5,470	5,649	5,620	5,761	5,905	6,052	6,203	6,359	6,517	6,680	6,680	6,847
Provisions for Uncollectibles - Sewer	1,389	873	873	873	873	873	873	873	873	873	873	873
Transfer to Debentures	-	-	-	-	-	-	-	-	-	-	-	-
Transfer to Admin	102,140	102,140	104,183	106,266	108,392	110,560	112,771	115,026	117,327	119,673	119,673	122,067
Transfer to Clerk	15,720	15,720	16,034	16,355	16,682	17,016	17,356	17,703	18,057	18,418	18,418	18,787
Transfer to Treasury	128,300	128,300	133,432	138,769	144,320	150,093	156,097	162,340	168,834	175,587	175,587	182,611
Transfer to IT	75,510	75,510	78,530	81,672	84,938	88,336	91,869	95,544	99,366	103,341	103,341	107,474
Sub Total Operating	3,100,630	3,296,799	4,734,543	4,668,771	4,777,152	4,890,104	5,007,883	5,170,777	5,259,089	5,393,150	5,393,151	5,533,325
Capital-Related												
NEW CAPITAL DEBENTURES		-	-	500,000	500,000	500,000	500,000	500,000	150,000	150,000	150,001	150,001
Sub Total Capital Related	0	0	0	500,000	500,000	500,000	500,000	500,000	150,000	150,000	150,002	150,002
Total Expenditures	3,100,630	3,296,799	4,734,543	5,168,771	5,277,152	5,390,104	5,507,883	5,670,777	5,409,089	5,543,150	5,543,153	5,683,327

Table 3-2A (cont'd)
Wastewater Services – Operating Budget/Forecast

Description	Actual	Forecast										
	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Revenues												
Penalties/Interest on Sewer	34,805	21,200	21,200	21,200	21,200	21,200	21,200	21,200	21,200	21,200	21,200	21,200
Local Improvement Interest	8,009	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000
Private Work - Sewer	(274)	439	-	-	-	-	-	-	-	-	1	1
Residential Sewer - Flat Rate	88,723	164,783	38,707	41,908	45,360	49,110	53,158	57,551	62,305	67,451	73,021	73,021
Residential Sewer - Base Rate	2,136,000	2,303,442	2,489,416	2,707,103	2,976,309	3,271,499	3,596,290	3,951,678	4,341,487	4,768,273	5,236,128	5,310,695
Non-Residential Sewer - Flat Rate	968	900	-	-	-	-	-	-	-	-	-	-
Non-Residential Sewer - Base Rate	441,044	462,910	470,373	509,177	551,248	596,683	645,968	699,253	756,869	819,347	887,028	887,028
Non-Residential Sewer - Diff Cons/Base/Flat	-	-	-	-	-	-	-	-	-	-	-	-
Sewer Sludge Disposal	4,440	3,970	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Transfer from Reserve Funds	-	-	-	-	-	-	-	-	-	-	-	-
Clearview Contributions	446,739	4,510	-	-	-	-	-	-	-	-	1	1
Sewer Connection Fees	220	-	-	-	-	-	-	-	-	-	1	1
Grants	-	1,220	-	-	-	-	-	-	-	-	-	-
Interest Earned on Reserves	222,089	227,060	92,049	37,980	28,166	31,338	58,833	96,118	111,653	142,967	142,967	106,691
Total Operating Revenue	3,382,763	3,198,434	3,124,745	3,330,369	3,635,283	3,982,831	4,388,449	4,838,800	5,306,514	5,832,238	6,373,348	6,411,638
Wastewater Billing Recovery - Operating	282,133	(98,365)	(1,609,798)	(1,838,402)	(1,641,870)	(1,407,274)	(1,119,434)	(831,977)	(102,575)	289,088	830,194	728,311
Lifecycle Reserve Contribution (\$)	1,747,996	1,314,669	72,390	(26,496)	282,848	662,513	1,158,343	1,613,979	2,531,695	3,142,881	3,686,602	3,826,415
Wastewater Billing Recovery Consumption - Total	1,465,863	1,413,034	1,682,187	1,811,905	1,924,718	2,069,787	2,277,778	2,445,956	2,634,270	2,853,793	2,856,408	3,098,104

Table 3-2B
Wastewater Services – Consumption Rate Forecast

Description	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Total Wastewater Billing Recovery	1,465,863	1,413,034	1,682,187	1,811,905	1,924,718	2,069,787	2,277,778	2,445,956	2,634,270	2,853,793	2,856,408	3,098,104
Total Consumption (m ³)	2,221,005	2,047,875	2,242,916	2,236,920	2,187,179	2,178,723	2,211,435	2,203,564	2,195,225	2,195,225	2,197,237	2,197,237
Constant Rate	0.66	0.69	0.75	0.81	0.88	0.95	1.03	1.11	1.20	1.30	1.30	1.41

Table 4-1
Water Reserves Continuity/Forecast

Year	2022 Actual	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Opening Balance	12,253,333	11,792,259	13,328,361	14,557,012	15,487,361	16,543,805	17,749,709	18,995,280	20,659,643	22,643,302	24,283,260	26,461,823
Reserve Contribution	1,365,470	1,591,480	1,256,715	512,296	614,275	732,371	832,859	1,120,157	1,419,070	1,443,222	1,581,672	1,637,173
Capital Reserve Utilized	(2,075,057)	(295,094)	(55,855)	(950)	(2,600)	(650)	(91,850)	(950)	(28,950)	(436,800)	(89,782)	(2,750,000)
Property Owner Repayment	-	-	-	42,294	42,294	42,294	42,294	42,294	42,294	42,294	42,294	42,294
Local Imp. Cost	-	(87,500)	(335,440)	-	-	-	-	-	-	-	-	-
Interest	248,513	327,216	363,231	376,709	402,476	431,888	462,268	502,862	551,244	591,243	644,379	633,725
Closing Balance	11,792,259	13,328,361	14,557,012	15,487,361	16,543,805	17,749,709	18,995,280	20,659,643	22,643,302	24,283,260	26,461,823	26,025,015

Table 4-2
Wastewater Reserves Continuity/Forecast

Year	2022 Actual	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Opening Balance	11,739,478	8,807,862	9,309,455	3,780,495	1,578,524	1,223,852	1,413,246	2,615,522	4,236,988	4,986,911	6,407,083	5,203,768
Reserve Contribution	1,079,168	1,087,609	(19,659)	(64,477)	254,682	631,175	1,099,511	1,517,861	2,420,042	2,999,914	3,576,984	3,719,724
Capital Reserve Utilized	(4,232,874)	(813,076)	(4,382,635)	(2,306,818)	(770,027)	(607,072)	(91,850)	(130,559)	(1,922,574)	(1,866,835)	(5,038,043)	(3,907,101)
Property Owner Repayment	-	-	-	130,822	130,822	130,822	130,822	130,822	130,822	130,822	130,822	130,822
Local Imp. Cost	-	-	(1,218,873)	-	-	-	-	-	-	-	-	-
Interest	222,089	227,060	92,207	38,501	29,850	34,469	63,793	103,341	121,632	156,270	126,921	128,680
Closing Balance	8,807,862	9,309,455	3,780,495	1,578,524	1,223,852	1,413,246	2,615,522	4,236,988	4,986,911	6,407,083	5,203,768	5,275,894

Schedule A
Proposed Water / Wastewater Rates 2024

RESIDENTIAL RATES**MONTHLY BASE CHARGES:**

WATER	3/4" (19mm)	1" (25mm)	1.5" (40mm)	2" (50mm)	2.5" (63mm)	3" (75mm)	4" (100mm)	6" (150mm)
Mthly Base Charge	15.54	15.54	15.54	45.10	108.35	166.95	217.76	326.64
Annual Base Charge	186.48	186.48	186.48	541.20	1,300.20	2,003.40	2,613.12	3,919.68

WASTEWATER	3/4" (19mm)	1" (25mm)	1.5" (40mm)	2" (50mm)	2.5" (63mm)	3" (75mm)	4" (100mm)	6" (150mm)
Mthly Base Charge	19.08	19.08	19.08	55.29	132.86	205.22	267.02	400.51
Annual Base Charge	228.96	228.96	228.96	663.48	1,594.34	2,462.66	3,204.24	4,806.12

CONSUMPTION RATES:

Water (Per m ³)	\$ 0.46
Wastewater (Per m ³)	\$ 0.75

**** The base charge for water and/or wastewater to a single family residence zoned as residential will be equivalent to the charge for a 19mm (.75") service size regardless of the size of the service.**

NON-RESIDENTIAL RATES**MONTHLY BASE CHARGES:**

WATER	3/4" (19mm)	1" (25mm)	1.5" (40mm)	2" (50mm)	2.5" (63mm)	3" (75mm)	4" (100mm)	6" (150mm)
Mthly Base Charge	15.54	21.76	27.99	45.10	108.35	166.95	217.76	326.64
Annual Base Charge	186.48	261.12	335.88	541.20	1,300.20	2,003.40	2,613.12	3,919.68

WASTEWATER	3/4" (19mm)	1" (25mm)	1.5" (40mm)	2" (50mm)	2.5" (63mm)	3" (75mm)	4" (100mm)	6" (150mm)
Mthly Base Charge	19.08	26.67	34.33	55.29	132.86	205.22	267.02	400.51
Annual Base Charge	228.96	320.04	411.96	663.48	1,594.34	2,462.66	3,204.24	4,806.12

CONSUMPTION RATES:

Water (Per m ³)	\$ 0.46
Wastewater (Per m ³)	\$ 0.75

LIFESTYLE / CONDOMINIUM CORPORATIONS:**MONTHLY BASE CHARGES Per Unit:**

WATER	
Mthly Base Charge	11.67
Annual Base Charge	140.04

WASTEWATER	
Mthly Base Charge	14.30
Annual Base Charge	171.60

CONSUMPTION RATES:

Water (Per m ³)	\$ 0.46
Wastewater (Per m ³)	\$ 0.75

BULK WATER

Water (Per m ³)	\$ 1.91
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FLAT RATE / CONSTRUCTION RATE**MONTHLY BASE CHARGES:**

WATER	
Mthly Base Charge	19.90
Annual Base Charge	238.80

WASTEWATER	
Mthly Base Charge	24.67
Annual Base Charge	296.04

CONSUMPTION RATES:

Water (Per m ³)	NA
Wastewater (Per m ³)	NA