

2018 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 licence.”

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.
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 detail 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 the 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.

At the Town of Wasaga Beach there are two components to the Water/Wastewater Bill the first is an annual base charge and equates to \$347.99/year (based on 2018 proposed rates) for a Single-Family Home. These base charges are collected mainly to pay for the operations of the system and provide a contribution to the Lifecycle reserve. The second component of the billing is the consumption charges and these are based on the amount of water used by the resident, on average for a Single-Family Home 167 m³ per year are used which equates to a total amount of \$165.33/year (based on 2018 proposed rates). The consumption 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 base charge and a consumption rate - as the Town of Wasaga Beach and many other municipalities do today;
- 2) Using only a consumption rate i.e. an increased rate per cubic meter – generally used in larger cities where seasonal fluctuations have less impact;
- 3) Including base rates and using increased consumption rates in the winter months on Wastewater usage and lowered in the Summer months while Water Rates work inversely – this is used in very few municipalities and is intended to offset those months in the summer where water is not necessarily making its way to the wastewater system;
- 4) Including base rates and using increased consumption 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



- 5) 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 go towards a Base/Consumption method since 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 Watsons 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.

Beginning in 2012 to 2017, the study was updated and reviewed on an annual basis by Town Staff, with this year being conducted by an outside consultant.

The changes in the rates since the inception of metered billing are noted in the chart below:

	2010	2011	2012	2013	2014	2015	2016	2017	2018
Base Rate	0.00%	1.50%	0.00%	1.50%	1.00%	1.50%	2.00%	2.00%	1.50%
Consumption	0.00%	2.40%	-24.00%	1.50%	1.00%	1.50%	2.00%	2.00%	1.50%

** Proposed 2018 Rate

As detailed in the chart above there was a drastic decrease to the consumption rate in 2012, due primarily to the change in policy for charging Lifestyle and/or Condominium units. Previously these units were charged the base rate attributed to the service size (i.e. 6-inch or 4-inch watermain service) that accommodated their location, however in 2012 a new rate was instituted to charge based on the number of units within the community. This change allowed for a more equitable approach in the billing for water/wastewater users.



2018 STUDY

1. ASSUMPTIONS

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

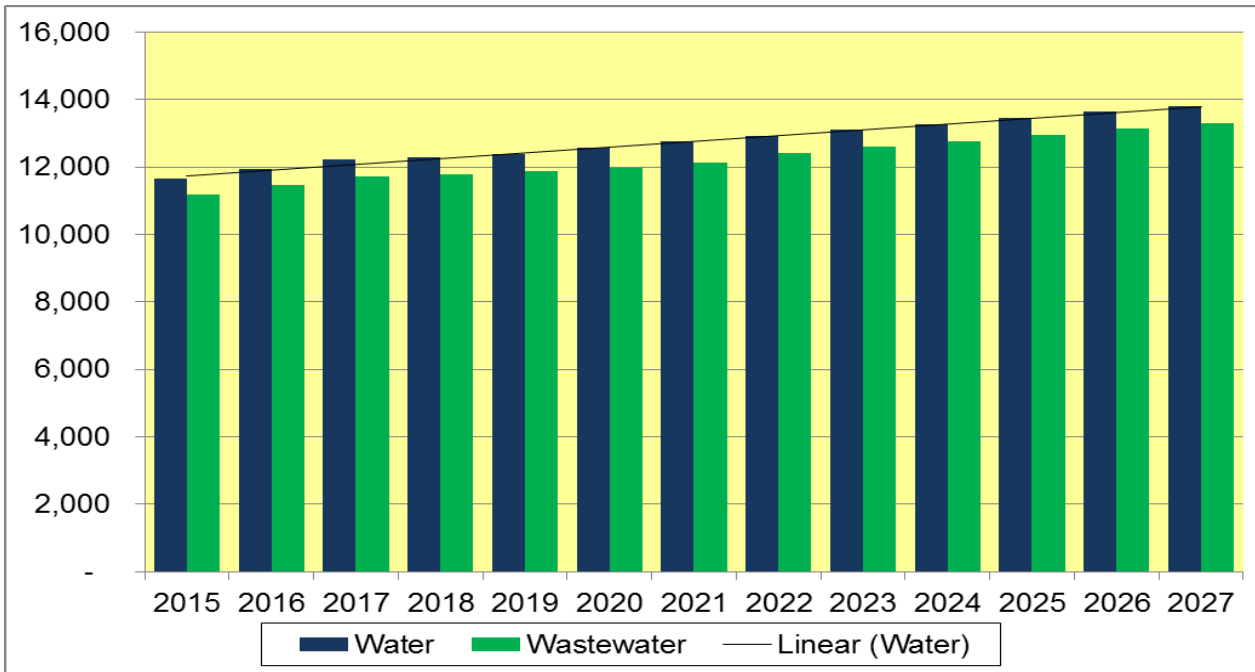
- Inflation at 1.5% per year;
- Operational Costs are based on the staff prepared 2018 Budget and 4 Year Forecast;
- Capital Projects are based on both the staff prepared 2018 10 Year Plan and the 2016 OCWA Capital Plan;
- Energy costs increase at 4 - 6% per year;
- Salaries and benefits follow the current salary grid, along with Union Contracts;
- Interest rates accumulated on investments at 1.85% per year; and
- NRBCPI at ~3.0%/year.

As in years’ past the study was approached on a conservative basis.

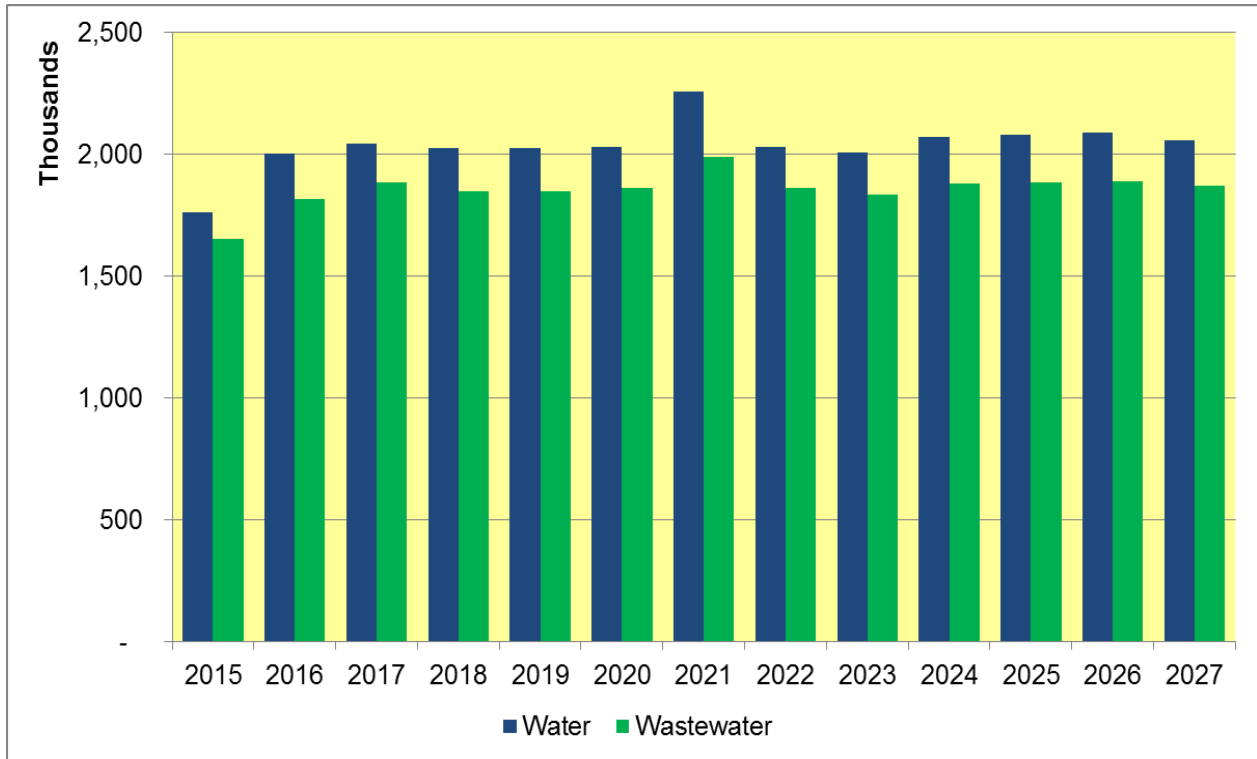
2. SYSTEM USERS AND CONSUMPTION

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 2015 Development Charge Study on a conservative basis or 85% of the new homes forecasted. The graph below depicts the number of users from 2015 to 2027 as you can see the number of users at the end of 2027 is expected to be just below 14,000.

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Once the number of users is known the average consumption amount is then calculated based on historical data both from OCWA as well as the Town’s billing system. At this point it is predicted that the consumption levels will increase to approximately 167 m³ from 162 m³ in the previous year. Water usage is very cyclical and seasonal, and thus you will see peaks in certain years to accommodate for summers where the temperature is higher than average. The graph below illustrates the actual (2015 and 2016) and forecasted (2017 to 2027) consumption.



3. OPERATIONAL REVENUES AND COSTS

There are two (2) revenue streams for the Water/Wastewater system the base charge and the consumption charge. The Base charge is established by calculating the number of users and 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 based on the forecasted usage noted above and the amount of funds that are required to replace and repair the assets of the system. Operational Costs are reflective of the current year’s budget with inflationary factors included as noted above. Tables 3-1 and 3-2 detail the actual and forecasted costs and revenues from 2015 to 2027.

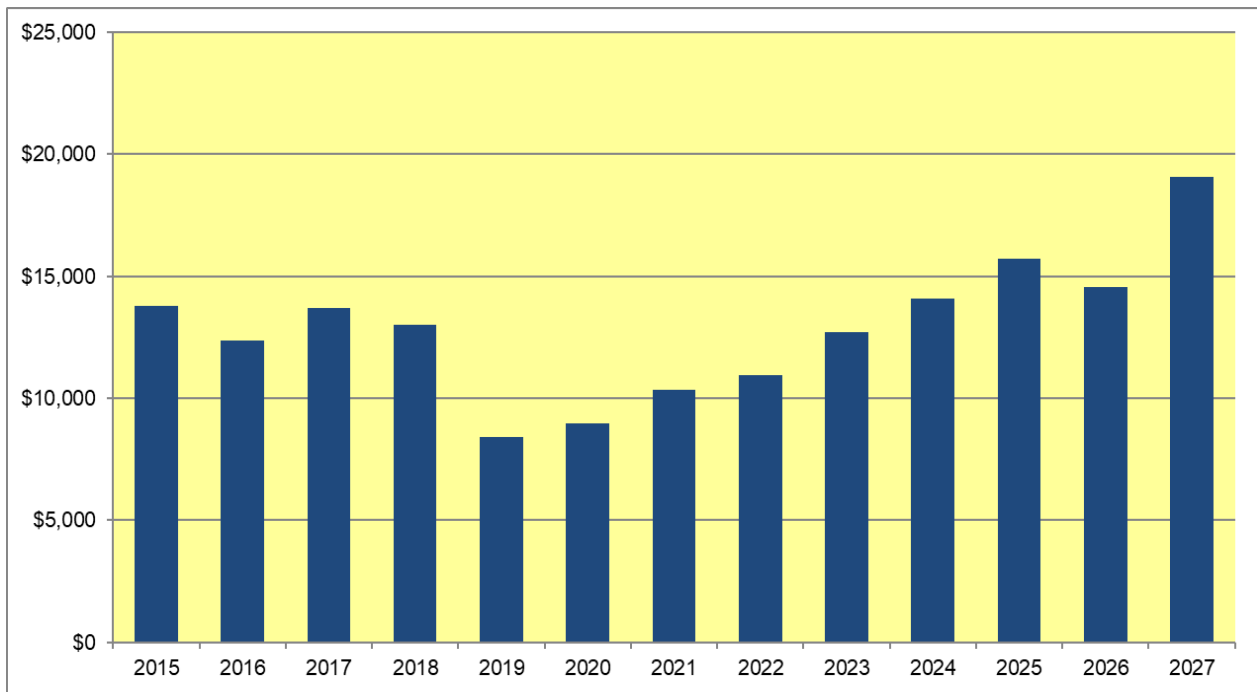
4. ASSET INVENTORY

The next step of the study is to review the inventory of assets in the system and the replacement required 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 (Ontario Clean Water Agency) 2016 review of the asset inventory the largest replacement/upgrade years will begin in 2018 with approximately \$12 Million in investments required up to 2026. This investment then peaks again in the year 2059 and continues over the next 30 years as the water-mains and sewer lines begin to require replacement. It is important to note that this is based on information known at this time and the timing of replacement can vary and is dependent on many factors.

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.



5. PROPOSED 2018 RATES

For 2018 it is being proposed that rates increase by 1.5%, which is slightly higher than the current CPI rate of 1.4% and compensates for the increasing costs anticipated in the 10-year forecast. Additionally, it will assist in maintaining contributions to the Lifecycle Reserve and help with future sustainability. This new rate will result in an increase for the average residential home of \$8.48/year based on the average consumption rate of 167m³ (Schedule A includes the detailed rates breakdown).



CONCLUSION

The Town of Wasaga Beach continues to be a low-cost provider of Water/Wastewater services while maintaining a healthy contribution to the Lifecycle reserves. Based on the proposed rates and the information known today the system is expected to be financially sustainable over the next 25 years.



Table 1-1
Town of Wasaga Beach
Water System User Forecast

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Total New Water Users	178	-	-	-	-	59	118	178	178	178	178	178	178	178	178
2018	178	-	-	-	-	59	118	178	178	178	178	178	178	178	178
2019	178	-	-	-	-	-	59	178	178	178	178	178	178	178	178
2020	178	-	-	-	-	-	-	59	118	178	178	178	178	178	178
2021	178	-	-	-	-	-	-	-	59	118	178	178	178	178	178
2022	178	-	-	-	-	-	-	-	-	59	118	178	178	178	178
2023	178	-	-	-	-	-	-	-	-	-	59	118	178	178	178
2024	178	-	-	-	-	-	-	-	-	-	-	59	118	178	178
2025	178	-	-	-	-	-	-	-	-	-	-	-	59	118	178
2026	178	-	-	-	-	-	-	-	-	-	-	-	-	59	118
2027	178	-	-	-	-	-	-	-	-	-	-	-	-	-	59
Total	1,777	-	-	-	-	59	178	355	533	711	888	1,066	1,244	1,421	1,599
m ³ / user	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Current Users	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Flat Rate	93	102	39	148	201	201	201	201	201	201	201	201	201	201	201
Conversions to Meter	-	-	-	-	(101)	(101)	(101)	(101)	(101)	(101)	(101)	(101)	(101)	(101)	(101)
Total Flat Rate	93	102	39	148	101	101	101	101	101	101	101	101	101	101	101
3/4" Meter (Res)	9,324	9,490	9,617	9,748	9,899	9,899	9,899	9,899	9,899	9,899	9,899	9,899	9,899	9,899	9,899
3/4" Meter (Non - Res)	260	262	262	271	273	273	273	273	273	273	273	273	273	273	273
Flat User Conversions	-	-	-	-	101	101	101	101	101	101	101	101	101	101	101
New	-	-	-	-	-	59	178	355	533	711	888	1,066	1,244	1,421	1,599
Total 3/4" Meter	9,584	9,752	9,879	10,019	10,273	10,332	10,450	10,628	10,805	10,983	11,161	11,338	11,516	11,694	11,871
1" Meter (Res)	46	46	46	70	98	98	98	98	98	98	98	98	98	98	98
1" Meter (Non - Res)	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1.5" Meter (Res)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1.5" Meter (Non - Res)	181	181	180	177	178	178	178	178	178	178	178	178	178	178	178
2" Meter	71	69	69	69	70	70	70	70	70	70	70	70	70	70	70
2.5" Meter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3" Meter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4" Meter	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6" Meter	18	18	16	16	16	16	16	16	16	16	16	16	16	16	16
Lifestyle Condo Units	1,237	1,291	1,407	1,435	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
Total Other Meters	1,571	1,624	1,737	1,786	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839	1,839
Grand Total	11,248	11,478	11,655	11,953	12,212	12,271	12,390	12,567	12,745	12,923	13,100	13,278	13,456	13,633	13,811

Water Consumption Forecast (m ³)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Existing	1,762,347	1,838,130	1,759,196	2,002,523	2,043,605	2,023,064	2,023,064	2,029,911	2,258,357	2,029,911	2,006,222	2,069,493	2,078,779	2,088,552	2,054,591
New	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1,762,347	1,838,130	1,759,196	2,002,523	2,043,605	2,023,064	2,023,064	2,029,911	2,258,357	2,029,911	2,006,222	2,069,493	2,078,779	2,088,552	2,054,591

Table 1-2
Town of Wasaga Beach
Wastewater System User Forecast

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Total New WW Users	178	-	-	-	-	59	118	178	178	178	178	178	178	178	178
2018	178	-	-	-	-	59	118	178	178	178	178	178	178	178	178
2019	178	-	-	-	-	-	59	118	178	178	178	178	178	178	178
2020	178	-	-	-	-	-	-	59	118	178	178	178	178	178	178
2021	178	-	-	-	-	-	-	-	59	118	178	178	178	178	178
2022	178	-	-	-	-	-	-	-	-	59	118	178	178	178	178
2023	178	-	-	-	-	-	-	-	-	-	59	118	178	178	178
2024	178	-	-	-	-	-	-	-	-	-	-	59	118	178	178
2025	178	-	-	-	-	-	-	-	-	-	-	-	59	118	178
2026	178	-	-	-	-	-	-	-	-	-	-	-	-	118	178
2027	178	-	-	-	-	-	-	-	-	-	-	-	-	-	118
Total	1,599	-	-	-	-	59	178	355	533	711	888	1,066	1,244	1,421	1,599
m ³ /user	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual Flow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Current Users	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Flat Rate Conversions to Meter	91	99	76	150	197	197	197	197	197	197	197	197	197	197	197
Total Flat Rate	91	99	76	150	197	197	197	197	197	197	197	197	197	197	197
3/4" Meter (Res)	8,857	9,007	9,141	9,279	9,437	9,437	9,437	9,437	9,437	9,437	9,437	9,437	9,437	9,437	9,437
3/4" Meter (Non - Res)	230	232	230	239	241	241	241	241	241	241	241	241	241	241	241
Flat User Conversions New	-	-	-	-	99	99	99	99	99	99	99	99	99	99	99
Total 3/4" Meter	9,087	9,239	9,371	9,518	9,777	9,836	9,954	10,033	10,211	10,487	10,665	10,842	11,020	11,198	11,375
1" Meter (Res)	44	44	44	68	95	95	95	95	95	95	95	95	95	95	95
1" Meter (Non - Res)	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1.5" Meter (Res)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1.5" Meter (Non - Res)	180	180	179	179	177	177	177	177	177	177	177	177	177	177	177
2" Meter	69	67	67	67	68	68	68	68	68	68	68	68	68	68	68
2.5" Meter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3" Meter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4" Meter	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6" Meter	17	17	15	15	15	15	15	15	15	15	15	15	15	15	15
Lifestyle Condo Units	1,237	1,291	1,407	1,435	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
Total Other Meters	1,565	1,618	1,731	1,783	1,832	1,832	1,832	1,832	1,832	1,832	1,832	1,832	1,832	1,832	1,832
Grand Total	10,743	10,956	11,178	11,451	11,707	11,766	11,885	11,964	12,141	12,418	12,595	12,773	12,951	13,128	13,306

Water Consumption Forecast (m ³)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Existing	1,622,551	1,677,744	1,653,895	1,814,335	1,882,140	1,848,237	1,848,237	1,859,538	1,989,409	1,859,538	1,835,349	1,878,414	1,884,450	1,889,432	1,869,437
New	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1,622,551	1,677,744	1,653,895	1,814,335	1,882,140	1,848,237	1,848,237	1,859,538	1,989,409	1,859,538	1,835,349	1,878,414	1,884,450	1,889,432	1,869,437

Table 2-1
Town of Wasaga Beach
Base Charge Water

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
2" (50mm) meter														
Existing Customers	69	69	69	70	70	70	70	70	70	70	70	70	70	70
Sub-Total All Customers	69	69	69	70	70	70	70	70	70	70	70	70	70	70
Mthly Base Charge	36.22	36.76	37.50	38.25	38.82	39.41	40.00	40.60	40.80	41.41	41.61	42.24	42.45	43.08
Annual Base Charge	434.62	441.14	450.00	459.00	465.89	472.87	479.97	487.17	489.57	496.91	499.36	506.85	509.34	516.98
Sub-Total Annual Revenue	29,989	30,439	31,050	32,130	32,612	33,101	33,598	34,102	34,270	34,784	34,955	35,479	35,654	36,189

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
2.5" (63mm) meter														
Existing Customers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-Total All Customers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mthly Base Charge	87.45	88.76	90.53	92.34	93.73	95.13	96.56	98.01	98.49	99.97	100.46	101.97	102.47	104.01
Annual Base Charge	1,049.35	1,065.08	1,086.36	1,108.09	1,124.71	1,141.58	1,158.70	1,176.08	1,181.88	1,199.61	1,205.51	1,223.60	1,229.62	1,248.07
Sub-Total Annual Revenue	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
3" (75mm) meter														
Existing Customers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-Total All Customers	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mthly Base Charge	134.73	136.75	139.48	142.27	144.40	146.57	148.77	151.00	151.74	154.02	154.78	157.10	157.87	160.24
Annual Base Charge	1,616.70	1,640.95	1,673.76	1,707.24	1,732.84	1,758.84	1,785.22	1,812.00	1,820.92	1,848.24	1,857.34	1,885.20	1,894.49	1,922.91
Sub-Total Annual Revenue	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
4" (100mm) meter														
Existing Customers	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Sub-Total All Customers	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Mthly Base Charge	174.88	177.50	181.05	184.67	187.44	190.25	193.11	196.00	196.97	199.92	200.91	203.92	204.93	208.00
Annual Base Charge	2,098.56	2,130.04	2,172.60	2,216.05	2,249.29	2,283.03	2,317.28	2,352.04	2,363.62	2,399.08	2,410.90	2,447.06	2,459.11	2,496.00
Sub-Total Annual Revenue	8,394	8,520	8,690	8,864	8,997	9,132	9,269	9,408	9,454	9,596	9,644	9,788	9,836	9,984

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
6" (150mm) meter														
Existing Customers	18	16	16	16	16	16	16	16	16	16	16	16	16	16
Sub-Total All Customers	18	16	16	16	16	16	16	16	16	16	16	16	16	16
Mthly Base Charge	262.33	266.26	271.59	277.02	281.18	285.39	289.68	294.02	295.47	299.90	301.38	305.90	307.41	312.02
Annual Base Charge	3,147.91	3,195.13	3,259.08	3,324.26	3,374.13	3,424.74	3,476.11	3,528.25	3,545.63	3,598.82	3,616.54	3,670.79	3,688.87	3,744.21
Sub-Total Annual Revenue	56,662	51,122	52,145	53,188	53,986	54,796	55,618	56,452	56,730	57,581	57,865	58,733	59,022	59,907

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Lifestyle/Condo Units														
Existing Customers	1,291	1,407	1,435	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
Sub-Total All Customers	1,291	1,407	1,435	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458	1,458
Mthly Base Charge	9.37	9.51	9.70	9.89	10.04	10.19	10.35	10.50	10.55	10.71	10.76	10.93	10.98	11.14
Annual Base Charge	112.44	114.12	116.40	118.73	120.51	122.32	124.15	126.01	126.63	128.53	129.17	131.10	131.75	133.73
Sub-Total Annual Revenue	145,158	160,567	167,034	173,105	175,702	178,338	181,013	183,728	184,633	187,402	188,326	191,150	192,092	194,973

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Total														
Sub-Total All Customers	11,478	11,655	11,953	12,212	12,271	12,390	12,567	12,745	12,923	13,100	13,278	13,456	13,633	13,811
Total Annual Revenue	1,779,452	1,827,988	1,904,803	1,981,274	2,020,498	2,070,100	2,130,529	2,192,305	2,261,105	2,335,529	2,408,313	2,486,899	2,563,877	2,646,840

Table 2-2
Town of Wasaga Beach
Base Charge Wastewater

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
3/4" (19mm) meter														
Existing Customers	9,239	9,371	9,518	9,777	9,777	9,777	9,678	9,678	9,777	9,777	9,777	9,777	9,777	9,777
New Customers	-	-	-	59	178	178	355	533	711	888	1,066	1,244	1,421	1,599
Sub-Total All Customers	9,239	9,371	9,518	9,836	9,954	9,954	10,033	10,211	10,487	10,665	10,842	11,020	11,198	11,375
Mthly Base Charge	14.57	14.79	15.09	15.39	15.62	15.86	16.09	16.34	16.42	16.66	16.75	17.00	17.08	17.34
Annual Base Charge	174.81	177.48	181.08	184.70	187.47	190.28	193.14	196.04	197.00	199.96	200.94	203.96	204.96	208.03
Sub-Total Annual Revenue	1,615,056	1,663,165	1,723,519	1,805,735	1,843,923	1,894,118	1,937,816	2,001,709	2,065,972	2,132,483	2,178,686	2,247,599	2,295,082	2,366,465

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Flat Rate														
Existing Customers	99	76	150	99	99	99	99	99	99	99	99	99	99	99
Sub-Total All Customers	99	76	150	99	99	99	99	99	99	99	99	99	99	99
Mthly Base Charge	18.85	19.13	19.51	19.90	20.20	20.50	20.81	21.12	21.23	21.54	21.65	21.97	22.08	22.41
Annual Base Charge	226.23	229.56	234.12	238.80	242.38	246.02	249.71	253.46	254.70	258.53	259.80	263.70	264.99	268.97
Sub-Total Annual Revenue	22,397	17,447	35,118	23,522	23,875	24,233	24,596	24,965	25,088	25,465	25,590	25,974	26,102	26,494

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
1" (25mm) meter (Res)														
Existing Customers	44	44	68	95	95	95	95	95	95	95	95	95	95	95
Sub-Total All Customers	44	44	68	95	95	95	95	95	95	95	95	95	95	95
Mthly Base Charge	14.57	14.79	15.09	15.39	15.62	15.86	16.09	16.34	16.42	16.66	16.75	17.00	17.08	17.34
Annual Base Charge	174.81	177.43	181.08	184.70	187.47	190.28	193.14	196.04	197.00	199.96	200.94	203.96	204.96	208.03
Sub-Total Annual Revenue	7,692	7,807	12,313	17,547	17,810	18,077	18,348	18,623	18,715	18,996	19,089	19,376	19,471	19,763

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
1" (25mm) meter (Non-Res)														
Existing Customers	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Sub-Total All Customers	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Mthly Base Charge	20.39	20.70	21.11	21.53	21.86	22.18	22.52	22.85	22.97	23.31	23.43	23.78	23.89	24.25
Annual Base Charge	244.68	248.35	253.32	258.39	262.26	266.20	270.19	274.24	275.59	279.73	281.10	285.32	286.73	291.03
Sub-Total Annual Revenue	2,202	2,235	2,280	2,325	2,360	2,396	2,432	2,468	2,480	2,518	2,530	2,568	2,591	2,619

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
1.5" (40mm) meter (Res)														
Existing Customers	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Sub-Total All Customers	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Mthly Base Charge	14.57	14.79	15.09	15.39	15.62	15.86	16.09	16.34	16.42	16.66	16.75	17.00	17.08	17.34
Annual Base Charge	174.81	177.43	181.08	184.70	187.47	190.28	193.14	196.04	197.00	199.96	200.94	203.96	204.96	208.03
Sub-Total Annual Revenue	1,049	1,065	1,086	1,108	1,125	1,142	1,159	1,176	1,182	1,200	1,206	1,224	1,230	1,248

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
1.5" (40mm) meter (Non - Res)														
Existing Customers	180	179	179	177	177	177	177	177	177	177	177	177	177	177
Sub-Total All Customers	180	179	179	177	177	177	177	177	177	177	177	177	177	177
Mthly Base Charge	26.22	26.62	27.15	27.69	28.11	28.53	28.96	29.39	29.54	29.98	30.13	30.58	30.73	31.19
Annual Base Charge	314.68	319.40	325.80	332.32	337.30	342.36	347.50	352.71	354.45	359.76	361.53	366.96	368.77	374.30
Sub-Total Annual Revenue	56,642	57,173	58,318	58,820	59,702	60,598	61,507	62,429	62,737	63,678	63,992	64,951	65,271	66,251

**Table 3-1A
Town of Wasaga Beach
Water Services - Operating Budget Forecast
Inflated \$**

Description	Forecast												
	Actual 2015	Actual 2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Operating Costs - Water System													
Full-Time Wages-Water	374,371	409,979	473,254	339,000	344,090	349,250	354,490	361,580	368,811	376,188	383,711	383,711	391,386
Full-Time O/T	23,868	38,741	39,164	6,600	6,700	6,800	6,900	7,038	7,179	7,322	7,469	7,469	7,618
New Employees	-	-	-	-	-	-	-	-	-	-	-	-	-
Part-Time Wages	5,131	6,692	3,929	5,020	5,100	5,180	5,260	5,365	5,473	5,582	5,694	5,694	5,807
Part-Time O/T	-	112	157	-	-	-	-	-	-	-	-	-	-
Contractual Wages	-	-	-	-	-	-	-	-	-	-	-	-	-
Bonus	2,016	-	-	-	-	-	-	-	-	-	-	-	-
Employee Benefits	114,200	121,725	133,775	118,440	122,590	126,880	131,320	135,916	140,673	145,597	150,693	150,693	155,967
Office	231	372	344	970	990	1,010	1,030	1,051	1,072	1,093	1,115	1,115	1,137
Software Licenses & Maintenance	1,569	3,783	1,324	5,180	5,280	5,390	5,500	5,610	5,722	5,837	5,953	5,953	6,072
Telecommunications	26,482	27,679	28,397	28,660	29,230	29,810	30,410	31,018	31,639	32,271	32,917	32,917	33,575
Utilities (Furnace Oil, Gas, Etc)	3,816	2,863	2,940	6,650	6,980	7,330	7,700	9,240	11,088	13,306	15,967	15,967	19,160
Water and Wastewater	570	476	424	550	560	570	580	597	615	634	653	653	672
Hydro	246,217	268,632	231,273	219,540	223,930	228,410	232,980	258,608	287,055	318,631	353,680	353,680	392,585
Water Material	55,582	44,212	35,256	35,000	35,000	35,000	35,000	35,700	36,414	37,142	37,885	37,885	38,643
Vehicle Maintenance Transfer	15,902	15,707	15,353	15,000	15,000	15,000	15,000	15,750	16,538	17,364	18,233	18,233	19,144
Water Conservation Rebate	19,610	21,880	24,680	23,680	23,680	23,680	23,680	24,154	24,637	25,129	25,632	25,632	26,145
Safety Shoe/Boot Allowance	861	720	961	990	990	990	990	1,010	1,030	1,051	1,072	1,072	1,093
Meal Allowance	-	-	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous	385	211	-	610	610	610	610	622	635	647	660	660	673
Telephone	518	581	539	1,530	1,560	1,590	1,620	1,652	1,685	1,719	1,754	1,754	1,789
Legal	-	-	4,203	3,180	3,180	3,180	3,180	3,244	3,308	3,375	3,442	3,442	3,511
Audit - Accounting	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering	1,585	32,655	24,687	20,000	20,000	20,000	20,000	20,400	20,808	21,224	21,649	21,649	22,082
OCWA Operating	445,492	444,007	450,068	496,230	511,120	526,450	542,240	553,085	564,146	575,429	586,938	586,938	598,677
OCWA Repairs & Maintenance	102,534	33,766	37,021	135,000	135,000	135,000	135,000	55,000	55,000	55,000	55,000	55,000	55,000
Water/Sewer Capacity Annual Reports	8,751	-	5,000	-	10,000	-	-	-	-	-	-	-	-
Water/Wastewater Rate Study	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Well Development Study	-	-	-	-	-	-	-	-	-	-	-	-	-
Travel	90	-	-	120	120	120	120	122	125	127	130	130	132
Equipment Rental	25,308	29,811	22,251	5,000	5,000	5,000	5,000	5,100	5,202	5,306	5,412	5,412	5,520
Memberships	1,350	1,146	917	1,060	1,060	1,060	1,060	1,081	1,103	1,125	1,147	1,147	1,170
Drinking Water Licencing	9,833	8,650	3,428	6,000	6,000	6,000	6,000	6,120	6,242	6,367	6,495	6,495	6,624
Professional Development	8,413	4,754	8,412	-	-	-	-	-	-	-	-	-	-
Meals and Accommodations	932	164	-	-	-	-	-	-	-	-	-	-	-
Advertisements	162	324	-	-	-	-	-	-	-	-	-	-	-
Water System Modeling Update	-	-	-	-	-	-	-	35,000	-	-	-	-	-
Insurance	8,910	9,090	9,540	7,760	8,150	8,560	8,990	9,170	9,353	9,540	9,731	9,731	9,926
ON1Call Locate Fees	618	2,383	1,428	3,570	3,570	3,570	3,570	3,641	3,714	3,789	3,864	3,864	3,942
ESA Annual Inspection Fees	940	969	1,232	1,660	1,690	1,720	1,750	1,785	1,821	1,857	1,894	1,894	1,932
Provisions for Uncollectibles - Water	1,647	858	20,000	21,230	21,230	21,230	21,230	21,655	22,088	22,529	22,980	22,980	23,440
Insurance Claims - Water	-	6,081	-	-	-	-	-	-	-	-	-	-	-
Transfer to Admin	18,590	24,830	16,200	32,440	32,440	32,440	32,440	33,089	33,751	34,426	35,114	35,114	35,816
Transfer to Clerk	-	2,880	2,880	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150	2,150
Transfer to Treasurer	50,600	67,560	86,676	92,660	92,660	92,660	92,660	94,513	96,403	98,332	100,298	100,298	102,304
Transfer to IT	27,126	36,150	25,750	25,750	25,750	25,750	25,750	26,265	26,790	27,326	27,873	27,873	28,430
Sub Total Operating	1,604,211	1,667,566	1,711,463	1,661,230	1,701,410	1,722,390	1,754,210	1,766,331	1,792,270	1,857,415	1,927,204	1,927,204	2,002,124

Table 3-1A
Town of Wasaga Beach
Water Services - Operating Budget Forecast
Inflated \$

Description	Forecast												
	Actual 2015	Actual 2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Capital-Related													
By-law 01-30 (sew/wat)	-	-	-	-	-	-	-	-	-	-	-	-	-
By-law 02-43 (2001 Infil)	-	-	-	-	-	-	-	-	-	-	-	-	-
By-law 03-20 (2002 Infil w/s)	-	-	-	-	-	-	-	-	-	-	-	-	-
By-law 04-27 (2003 Infil sewer/water)	-	-	-	-	-	-	-	-	-	-	-	-	-
By-law 05-18 (w/s infill cont 6)	97,602	-	83,280	83,280	83,280	83,280	83,280	150,000	150,000	150,000	150,000	150,000	150,000
By-law 09-79 (w/s infill cont 10-15)	82,784	82,420	-	75,000	75,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
NEW CAPITAL DEBENTURES													
Sub Total Capital Related	180,386	82,420	83,280	158,280	158,280	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Total Expenditures	1,784,597	1,749,986	1,794,743	1,819,510	1,859,690	1,872,390	1,904,210	1,916,331	1,942,270	2,007,415	2,077,204	2,199,931	2,274,851
Revenues													
Rental of Properties	76	-	-	3,480	3,480	3,480	3,480	3,480	3,480	3,480	3,480	3,480	3,480
Sundry/Miscellaneous Receipts	11,639	(2,405)	444	-	-	-	-	-	-	-	-	-	-
Private Work - Water	14,582	57,331	6,149	500	500	500	500	500	500	500	500	500	500
Sale of Material and Equipment	-	-	-	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
Water Op/Off	22,311	21,411	16,467	-	-	-	-	-	-	-	-	-	-
Transfer from Reserves	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfer from Reserve Funds	-	-	-	-	-	-	-	-	-	-	-	-	-
Penalties/Interest on Water	11,935	12,514	15,459	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Local Improvement Interest	42,217	28,100	31,765	43,590	43,590	43,590	43,590	40,975	38,516	36,205	34,033	34,033	31,991
Sundry/Miscellaneous Receipts	3,227	-	-	500	500	500	500	500	500	500	500	500	500
Bulk Water Station	2,490	2,550	7,814	4,000	4,000	4,000	4,000	2,500	2,500	2,500	2,500	2,500	2,500
Water - Base Rate Revenue	1,824,704	1,887,600	1,981,274	2,020,498	2,070,100	2,130,529	2,192,305	2,261,105	2,335,529	2,408,313	2,486,899	2,486,899	2,563,877
Grant Revenue	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Meter Activation Fee	3,520	7,120	6,907	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
New Account Activation Fee	14,970	17,805	10,500	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Total Operating Revenue	1,951,670	2,032,026	2,076,777	2,121,568	2,171,170	2,231,599	2,293,375	2,358,059	2,430,025	2,500,498	2,576,911	2,576,911	2,651,848
Water Billing Recovery - Operating	167,073	282,040	282,034	302,057	311,480	359,209	389,165	441,728	487,755	493,083	499,708	376,981	376,997
Lifecycle Reserve Contribution (\$)	800,384	1,002,948	1,017,732	1,050,591	1,080,244	1,150,874	1,292,507	1,273,992	1,330,369	1,382,965	1,414,370	1,291,643	1,316,845
Water Billing Recovery Consumption - Total	633,311	720,908	735,698	748,534	768,764	791,665	903,343	832,263	842,613	889,882	914,663	914,663	939,849

Table 3-1B
Town of Wasaga Beach
Water Services
Water Rate Forecast
Inflated \$

Description	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Total Water Billing Consumption Recovery	633,311	720,908	735,698	748,534	768,764	791,665	903,343	832,263	842,613	889,882	914,663	914,663	939,849
Total Consumption (m3)	1,759,196	2,002,523	2,043,605	2,023,064	2,023,064	2,029,911	2,258,357	2,029,911	2,006,222	2,069,493	2,078,779	2,078,779	2,088,552
Constant Rate	0.36	0.36	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.44	0.45

Table 3-2A

Town of Wasaga Beach
Wastewater Service - Operating Budget Forecast

Inflated \$

Description	Forecast												
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Operating Costs - Wastewater System													
Full-Time Wages-Sewer	196,357	191,243	134,721	339,000	344,090	349,250	354,490	359,807	365,204	370,683	376,243	376,243	381,886
Full-Time O/T	13,208	19,066	5,618	6,600	6,700	6,800	6,900	7,004	7,109	7,215	7,323	7,323	7,433
New Employees	-	-	-	-	-	-	-	-	-	-	-	-	-
Part-Time Wages	4,665	4,927	3,895	5,020	5,100	5,180	5,260	5,365	5,473	5,582	5,694	5,694	5,807
Part-Time O/T	-	106	157	-	-	-	-	-	-	-	-	-	-
Contractual Wages	-	-	-	-	-	-	-	-	-	-	-	-	-
Bonus	290	-	-	-	-	-	-	-	-	-	-	-	-
Employee Benefits	81,169	81,218	75,158	118,440	122,590	126,880	131,320	135,916	140,673	145,597	150,693	150,693	155,967
Office	-	-	49	1,070	1,090	1,110	1,130	1,153	1,176	1,199	1,223	1,223	1,248
Software Licenses & Maintenance	765	3,783	1,131	5,180	5,280	5,390	5,500	5,610	5,722	5,837	5,953	5,953	6,072
Telecommunications	26,482	27,679	22,169	28,660	29,230	29,810	30,410	31,018	31,639	32,271	32,917	32,917	33,575
Utilities (Furnace Oil, Gas, Etc)	17,865	12,404	14,444	23,890	25,080	26,330	27,650	29,586	31,656	33,872	36,244	36,244	38,781
Water and Wastewater	7,738	5,752	6,397	4,450	4,540	4,630	4,720	4,862	5,007	5,158	5,312	5,312	5,472
Hydro	640,078	636,009	643,638	582,870	594,530	606,420	618,550	655,663	695,003	736,703	780,905	780,905	827,759
Sewer Material	9,639	9,118	6,288	5,000	5,000	5,000	5,000	5,100	5,202	5,306	5,412	5,412	5,520
Vehicle Maintenance & Licenses	15,673	15,879	17,092	15,000	15,000	15,000	15,000	15,750	16,538	17,364	18,233	18,233	19,144
Vehicle Fuel	-	-	-	-	-	-	-	-	-	-	-	-	-
WPCP Odour Assessment Study	6,891	-	-	-	-	-	-	-	-	-	-	-	-
WPCP Energy Audit	-	-	-	-	-	-	-	-	-	-	-	-	-
Meal Allowance	1,238	-	54	40	40	40	40	41	42	42	43	43	44
Miscellaneous	1,466	1,236	-	2,130	2,130	2,130	2,130	2,173	2,216	2,260	2,306	2,306	2,352
Telephone	-	1,468	2,049	1,530	1,560	1,590	1,620	1,652	1,685	1,719	1,754	1,754	1,789
Legal	-	-	-	3,180	3,180	3,180	3,180	3,244	3,308	3,375	3,442	3,442	3,511
Audit - Accounting	7,543	-	-	5,380	5,380	5,380	5,380	5,488	5,597	5,709	5,823	5,823	5,940
Engineering	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastdale Sewage Pump Contracts	-	55,701	40,250	40,250	40,250	40,250	40,250	41,458	42,701	43,982	45,302	45,302	46,661
WPCP Sludge Haulage	-	661,268	677,593	741,710	763,960	786,880	810,490	826,700	843,234	860,098	877,300	877,300	894,846
OCWA Operating	187,655	167,596	180,286	362,000	362,000	362,000	362,000	369,240	376,625	384,157	391,840	391,840	399,677
OCWA Repairs & Maintenance	51,762	54,240	-	57,140	57,140	57,140	57,140	58,283	59,448	60,637	61,850	61,850	63,087
PILS Payments	-	-	-	-	-	-	-	-	-	-	-	-	-
Water/Wastewater Rate Study	-	-	-	-	-	-	-	-	-	-	-	-	-
Odour Study / BIO Solids	3,752	-	-	-	-	-	-	-	-	-	-	-	-
Travel	-	-	-	-	-	-	-	-	-	-	-	-	-
Vehicle and Equipment Lease	-	-	-	-	-	-	-	-	-	-	-	-	-
Contracts	16,568	6,614	-	5,200	5,300	5,410	5,520	5,630	5,743	5,858	5,975	5,975	6,095
Professional Development	2,065	4,387	-	3,830	3,830	3,830	3,830	3,907	3,985	4,064	4,146	4,146	4,229
Meals and Accommodations	109	-	-	-	-	-	-	-	-	-	-	-	-
Advertisements	198	120	-	520	520	520	520	530	541	552	563	563	574
Sewage System Modeling Update	39,918	-	-	-	-	40,000	-	-	-	-	-	-	-
Insurance	8,910	9,090	9,540	7,760	8,150	8,560	8,990	9,170	9,353	9,540	9,731	9,731	9,926
Insurance Claims-Sewer	15,412	-	7,500	7,500	7,500	7,500	7,500	7,650	7,803	7,959	8,118	8,118	8,281
ESA Annual Inspection Fees	5,198	5,220	7,084	7,700	7,850	8,010	8,170	8,333	8,500	8,670	8,843	8,843	9,020
Provisions for Uncollectibles - Sewer	1,941	2,785	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Equipment Rental	-	2,894	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Transfer to Admin	23,740	31,700	25,440	50,040	50,040	50,040	50,040	51,041	52,062	53,103	54,165	54,165	55,248
Transfer to Clerk	-	-	4,536	3,320	3,320	3,320	3,320	3,453	3,591	3,735	3,884	3,884	4,039
Transfer to Treasury	60,450	80,690	111,492	114,940	114,940	114,940	114,940	119,538	124,319	129,292	134,464	134,464	139,842
Transfer to IT	34,524	46,150	34,512	39,720	39,720	39,720	39,720	41,309	42,961	44,680	46,467	46,467	48,325
Sub Total Operating	2,125,826	2,137,343	2,046,095	2,604,070	2,650,040	2,737,240	2,745,710	2,830,671	2,919,116	3,011,221	3,107,168	3,107,168	3,207,152

Table 3-2A
Town of Wasaga Beach
Wastewater Service - Operating Budget Forecast
 Inflated \$

Description	Forecast												
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Capital-Related													
Sewer plant - MOE	395,000	394,417	361,547	-	-	-	-	-	-	-	-	-	-
By-law 01-30 (sew/wat)	-	-	-	-	-	-	-	-	-	-	-	-	-
By-law 02-43 (2001 Infil)	-	-	-	-	-	-	-	-	-	-	-	-	-
By-law 03-20 (2002 Infil w/s)	-	-	-	-	-	-	-	-	-	-	-	-	-
By-law 04-27 (2003 Infil sewer/water)	-	-	-	-	-	-	-	-	-	-	-	-	-
By-law 05-18 (w/s infill cont 6)	120,185	-	-	-	-	-	-	-	-	-	-	-	-
By-law 09-79 (w/s infill cont 10-15)	101,937	99,461	101,787	101,787	101,787	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
NEW CAPITAL DEBENTURES													
Sub Total Capital Related	617,122	493,878	463,334	176,787	176,787	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Total Expenditures	2,742,948	2,631,222	2,509,429	2,780,857	2,826,827	2,887,240	2,895,710	2,980,671	3,069,116	3,161,221	3,257,168	3,257,168	3,357,152
Revenues													
Penalties/Interest on Sewer	15,821	16,588	16,588	16,588	16,588	16,588	16,588	16,588	16,588	16,588	16,588	16,588	16,588
Local Improvement Interest	48,930	32,195	31,551	30,920	30,302	30,302	30,302	29,696	29,696	29,696	29,696	29,696	29,696
Private Work - Sewer	17,942	2,555	23,451	23,451	23,451	23,451	23,451	23,451	23,451	23,451	23,451	23,451	23,451
Residential Sewer - Flat Rate	17,161	23,451	23,451	23,451	23,451	23,451	23,451	23,451	23,451	23,451	23,451	23,451	23,451
Residential Sewer - Base Rate	1,625,046	1,686,712	2,215,823	2,260,161	2,316,600	2,366,636	2,436,961	2,503,368	2,576,440	2,624,829	2,700,434	2,750,148	2,828,358
Residential Sewer - Diff Cons/Base/Flat	1,688	74	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Sewer - Flat Rate	9,134	1,244	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Sewer - Base Rate	383,225	396,256	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Sewer - Diff Cons/Base/Flat	-	-	-	-	-	-	-	-	-	-	-	-	-
Sewer Sludge Disposal	2,165	4,055	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Transfer from Reserve Funds	39,918	-	-	-	-	-	-	-	-	-	-	-	-
Grant Revenue	-	-	-	-	-	-	-	-	-	-	-	-	-
Sewer Connection Fees	146,774	64,749	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Total Operating Revenue	2,307,804	2,227,880	2,302,413	2,346,120	2,401,941	2,451,976	2,522,302	2,588,102	2,661,175	2,709,564	2,785,169	2,834,883	2,913,092
Wastewater Billing Recovery - Operating	-435,144	-403,341	-207,016	-434,737	-424,887	-435,264	-373,408	-392,569	-407,941	-451,657	-471,999	-422,285	-444,059
Lifecycle Reserve Contribution (\$)	538,966	685,260	941,089	711,171	739,503	754,841	919,708	834,727	821,742	825,665	828,271	881,423	864,546
Wastewater Billing Recovery Consumption - Total	974,111	1,088,601	1,148,105	1,145,907	1,164,390	1,190,104	1,293,116	1,227,295	1,229,684	1,277,322	1,300,270	1,303,708	1,308,606

Table 3-2B
Town of Wasaga Beach
Wastewater Service
Wastewater Rate Forecast
 Inflated \$

Description	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Total Wastewater Billing Recovery	974,111	1,088,601	1,148,105	1,145,907	1,164,390	1,190,104	1,293,116	1,227,295	1,229,684	1,277,322	1,300,270	1,303,708	1,308,606
Total Consumption (m ³)	1,653,895	1,814,335	1,882,140	1,848,237	1,848,237	1,859,538	1,989,409	1,859,538	1,835,349	1,878,414	1,884,450	1,889,432	1,869,437
Constant Rate	0.59	0.60	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.69	0.70

Table 4-1
Town of Wasaga Beach
Water Reserves / Lifecycle Reserve Continuity (Inflated \$)

Year	2015 Actual	2016 Actual	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Opening Balance	5,642,293	5,336,901	5,368,370	6,233,317	5,834,574	3,142,533	3,837,786	4,495,868	4,638,374	5,571,614	6,369,706	7,104,446	8,343,364
Reserve Contribution	800,384	1,002,948	1,017,732	1,050,591	1,080,244	1,150,874	1,292,507	1,273,992	1,330,369	1,382,965	1,414,370	1,291,643	1,316,845
Transfer to Capital	(544,575)	(1,119,494)	(263,000)	(1,552,500)	(3,827,850)	(523,480)	(713,920)	(1,213,500)	(495,645)	(697,500)	(805,250)	(200,250)	(155,250)
Transfer to Operating	-	-	-	-	-	-	-	-	-	-	-	-	-
Prior Yrs Restatement	-	-	-	-	-	-	-	-	-	-	-	-	-
Property Owner Repayment	-	65,960	-	-	-	-	-	-	-	-	-	-	-
Local Imp. Cost	(648,547)	-	-	-	-	-	-	-	-	-	-	-	-
Interest	87,346	82,055	110,216	103,165	55,565	67,859	79,495	82,014	98,516	112,627	125,619	147,525	171,089
Closing Balance	5,336,901	5,368,370	6,233,317	5,834,574	3,142,533	3,837,786	4,495,868	4,638,374	5,571,614	6,369,706	7,104,446	8,343,364	9,676,048

Table 4-2
Town of Wasaga Beach
Wastewater Reserves / Lifecycle Reserve Funds Continuity (Inflated \$)

Year	2015 Actual	2016 Actual	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Opening Balance	8,830,682	8,435,628	7,007,590	7,450,498	7,166,262	5,291,405	5,121,542	5,848,786	6,293,532	7,123,101	7,736,663	7,736,663	8,637,155
Reserve Contribution	510,352	685,260	941,089	711,171	739,503	754,841	919,708	834,727	821,742	825,665	828,271	881,423	864,546
Transfer to Capital	(317,181)	(2,241,948)	(673,900)	(1,166,100)	(2,746,775)	(1,034,250)	(314,870)	(520,250)	(137,112)	(348,900)	(80,500)	(2,507,920)	(250,000)
Transfer to Operating	-	-	-	-	-	-	-	-	-	-	-	-	-
Prior Yrs Restatement	-	-	-	-	-	-	-	-	-	-	-	-	-
Property Owner Repayment	(725,328)	5,100	44,773	44,773	39,563	19,331	19,331	19,331	19,331	-	-	-	-
Local Imp. Cost	137,102	123,551	130,946	125,920	92,862	90,216	103,075	110,939	125,607	136,798	152,720	109,983	166,531
Interest	-	-	-	-	-	-	-	-	-	-	-	-	-
Closing Balance	8,435,628	7,007,590	7,450,498	7,166,262	5,291,405	5,121,542	5,848,786	6,293,532	7,123,101	7,736,663	8,637,155	6,220,149	9,418,232

Proposed Water / Wastewater Rates 2018

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	13.38	13.38	13.38	38.82	93.73	144.40	187.44	281.18
Annual Base Charge	160.51	160.51	160.51	465.89	1,124.71	1,732.84	2,249.29	3,374.13

WASTEWATER	3/4" (19mm)	1" (25mm)	1.5" (40mm)	2" (50mm)	2.5" (63mm)	3" (75mm)	4" (100mm)	6" (150mm)
Mthly Base Charge	15.62	15.62	15.62	45.29	109.34	168.46	218.69	328.02
Annual Base Charge	187.47	187.47	187.47	543.53	1,312.06	2,021.57	2,624.24	3,936.29

CONSUMPTION RATES:

Water (Per m ³)	\$ 0.37
Wastewater (Per m ³)	\$ 0.62

** 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	13.38	18.73	24.09	38.82	93.73	144.40	187.44	281.18
Annual Base Charge	160.51	224.74	289.10	465.89	1,124.71	1,732.84	2,249.29	3,374.13

WASTEWATER	3/4" (19mm)	1" (25mm)	1.5" (40mm)	2" (50mm)	2.5" (63mm)	3" (75mm)	4" (100mm)	6" (150mm)
Mthly Base Charge	15.62	21.86	28.11	45.29	109.34	168.46	218.69	328.02
Annual Base Charge	187.47	262.26	337.30	543.53	1,312.06	2,021.57	2,624.24	3,936.29

CONSUMPTION RATES:

Water (Per m ³)	\$ 0.37
Wastewater (Per m ³)	\$ 0.62

LIFESTYLE / CONDOMINIUM CORPORATIONS:

MONTHLY BASE CHARGES Per Unit:

WATER	
Mthly Base Charge	10.04
Annual Base Charge	120.51

WASTEWATER	
Mthly Base Charge	11.71
Annual Base Charge	140.51

CONSUMPTION RATES:

Water (Per m ³)	\$ 0.37
Wastewater (Per m ³)	\$ 0.62

FLAT RATE / CONSTRUCTION RATE

MONTHLY BASE CHARGES:

WATER	
Mthly Base Charge	17.12
Annual Base Charge	205.49

WASTEWATER	
Mthly Base Charge	20.20
Annual Base Charge	242.38

CONSUMPTION RATES:

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