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# DRAFT WATER AND WASTEWATER RATES

JULY 5, 2022



Prepared by DFA Infrastructure International Inc.

# Agenda

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- Assumptions
- Customer Summary
- Current Rates
- Guiding Principles
- Capital Requirements
- Cost of Service
- Revenue Stability
- Proposed Rates & Impacts

## Assumptions

<b>Study Period</b>	<p style="text-align: center;">A 25-year rate study period used to assess needs of long-term. Capital needs assessed up to 100 years.</p> <p style="text-align: center;">A 6-year period (2022 to 2027) used to develop the financial statements as per O. Reg 453/07.</p>
<b>Oliphant Water System</b>	<b><u>The Oliphant Water System is considered to be part of the Wiarthon Water System instead of the Amabel Water System beginning in 2023</u></b>
<b>Capital Needs</b>	Capital needs are based the Town’s Capital budget 2022-2031 forecast and the asset needs identified in the recent Asset Management Plan. Adjustments made to remove any duplication.
<b>Capital Financing</b>	<p style="text-align: center;">Capital would be financed through a combination transfers from reserves and debt. Debt financing based on a borrowing term of <b><u>15 years</u></b> at a rate of 3% per year.</p>
<b>Reserve Target Balance</b>	<p style="text-align: center;">Capital Reserve target balance to be min 3% and max 5% of asset replacement value. Rate Stabilization Reserve target balances are met so no additional contributions required.</p>
<b>Inflation Increases</b>	<p style="text-align: center;">Operating costs would increase at 2% inflation Capital costs would increase at 3% inflation.</p> <p style="text-align: center;">The capital costs indicated in the 2022-2031 forecast already include inflation</p>
<b>Growth</b>	Growth of 7 new customers (units) per year in Wiarthon and 3/year in Amabel
<b>Debt Limit</b>	Annual debt repayment to be less than 25% of the respective water and wastewater annual revenues.
<b>Volume to be Billed</b>	The 2022 consumption is 185,500m <sup>3</sup> (Wiarthon) and 38,860m <sup>3</sup> (Amabel) plus consumption due to growth over the study period

# Customer Summary (2021 Projection)

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Meter Size (Inches)	Amabel Water	Warton Water	Both Water Systems	Warton Wastewater
0.62	426	1,037	1,463	944
0.75	0	16	16	14
1	1	25	26	27
1.5	1	11	12	20
2	0	15	15	41
2.5	0	0	0	0
3	0	2	2	22
4	0	3	3	42
6	0	0	0	0
Vacant Properties/Flat Rate	90	0	90	0
<b>Total Customers</b>	<b>518</b>	<b>1,109</b>	<b>1,627</b>	<b>1,109</b>
<b>Consumption (m<sup>3</sup>)</b>	<b>38,585</b>	<b>185,500</b>	<b>224,358</b>	<b>170,000</b>

# Rates(2022)

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Meter Size (Inches)	Amabel Water	Wiarnton Water	Wiarnton Wastewater
0.62	\$117.00	\$38.52	\$49.88
0.75	\$129.00	\$42.37	\$54.87
1	\$164.00	\$53.92	\$69.83
1.5	\$211.00	\$69.33	\$89.78
2	\$340.00	\$111.70	\$144.65
2.5	\$821.00	\$269.61	\$349.76
3	\$1,290.00	\$423.67	\$548.68
4	-	\$539.22	\$698.32
6	-	\$808.83	-
Reserve Water Charge	\$31.67	NA	NA
Vacant Fixed Water Charge	\$44.34	NA	NA
Consumption Charge	\$2.04/m3	\$1.96/m3	\$2.96/m3

## Guiding Principles

<b>Sustainable Financing</b>	Rates shall provide sufficient revenues to fully finance the W&WW systems over the long-term
<b>Full Cost Recovery</b>	The full cost of managing the W&WW systems shall be recovered annually over the long-term
<b>User Pay</b>	Customers shall pay based on use or potential for use
<b>Fairness and Equity</b>	Rates shall be as fair and equitable as possible with consideration to blended water rates as an option
<b>Capital Investments</b>	Capital investments to target asset replacement needs based on life expectancies and deliver the Town's capital forecast. Financing to be through a combination of debt and reserves
<b>Revenue Security</b>	The rate structure shall minimize the occurrence of annual deficits to extent possible
<b>Rate Stability/ Affordability</b>	Reducing the occurrence of annual rate swings. Having rates that are affordable while meeting financial requirements
<b>Ease of Administration</b>	The rates shall be transparent, simple to explain and administer

# 10-Year Capital Needs (Town Budget+ Asset Needs)

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System	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Amabel Water	\$59,000	\$57,600	\$313,400	\$290,400	\$431,050	\$309,800	\$43,500	\$46,500	\$46,500	\$47,000	\$1,644,750
Warton Water	\$150,000	\$1,131,000	\$1,339,100	\$1,696,500	\$1,418,600	\$1,455,000	\$1,538,500	\$1,737,500	\$203,500	\$2,147,500	\$12,817,200
Total Water	\$209,000	\$1,188,600	\$1,652,500	\$1,986,900	\$1,849,650	\$1,764,800	\$1,582,000	\$1,784,000	\$250,000	\$2,194,500	\$14,461,950
Blended Water System	\$209,000	\$1,188,600	\$1,652,500	\$1,986,900	\$1,849,650	\$1,764,800	\$1,582,000	\$1,784,000	\$250,000	\$2,194,500	\$14,461,950
Warton Wastewater	\$135,000	\$1,227,500	\$1,235,000	\$1,568,750	\$1,365,000	\$1,575,000	\$1,456,000	\$1,645,000	\$113,000	\$2,057,000	\$12,377,250

# Option Descriptions

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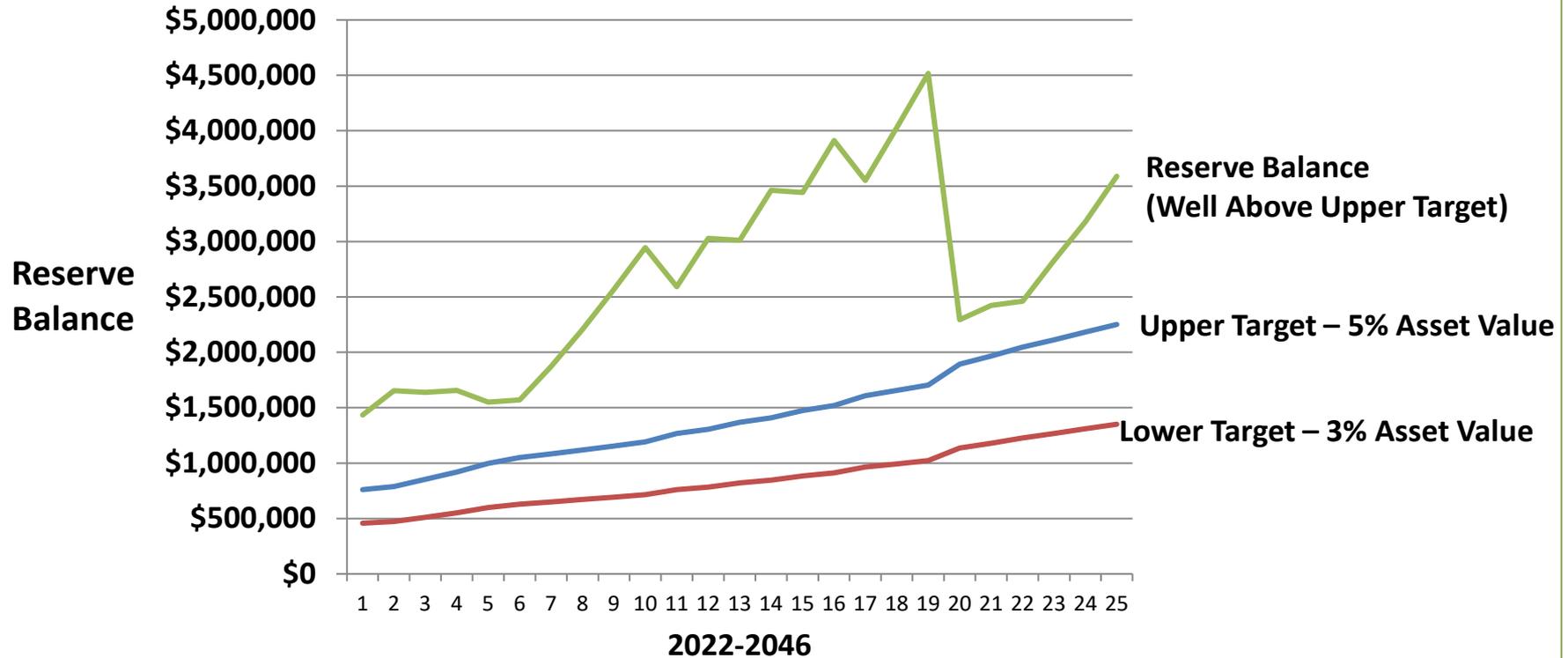
- Option 1 – Current Structure with Separate Rates for each System
- Option 2 – Current Structure but blend the Water Rates over a 5-year period (2023-2027) inclusive.

# Water Cost of Service

System	2022	2022 (%)	2022-2032 Average	2022-2032 Average (%)
<b>Amabel Water (Excluding Oliphant from 2023)</b>				
Operating Costs	\$730,800	75%	\$686,966	69%
Transfers to Capital Reserve	\$239,514	25%	\$315,500	32%
Debt Repayment	\$0	0%	\$0	0%
<b>Total</b>	<b>\$970,314</b>	<b>100%</b>	<b>\$989,739</b>	<b>100%</b>
<b>Wiarthon Water (Including Oliphant from 2023 onward)</b>				
Operating Costs	\$782,341	59%	\$986,085	54%
Transfers to Capital Reserve	\$533,322	41%	\$552,222	30%
Debt Repayment	\$0	0%	\$273,586	15%
<b>Total</b>	<b>\$1,315,663</b>	<b>100%</b>	<b>\$1,811,893</b>	<b>100%</b>
<b>Total Water Systems</b>	<b>\$2,285,977</b>		<b>\$2,801,632</b>	
<b>Blended Water Systems</b>				
Operating Costs	\$1,513,141	66%	\$1,667,490	64%
Transfers to Capital Reserve	\$772,836	34%	\$676,667	26%
Debt Repayment	\$0	0%	\$273,586	10%
<b>Total</b>	<b>\$2,285,977</b>	<b>100%</b>	<b>\$2,617,743</b>	<b>100%</b>

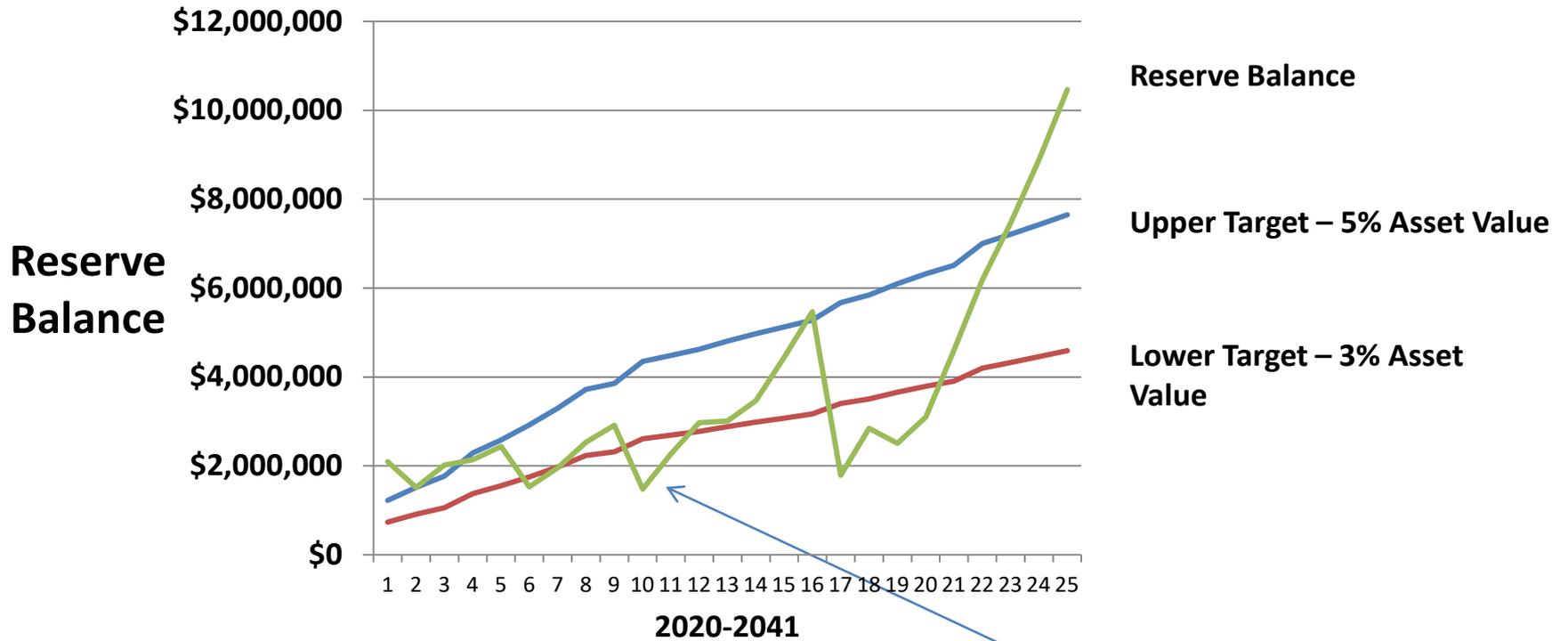
# Water Capital Reserves

## Amabel Reserve



# Water Capital Reserves

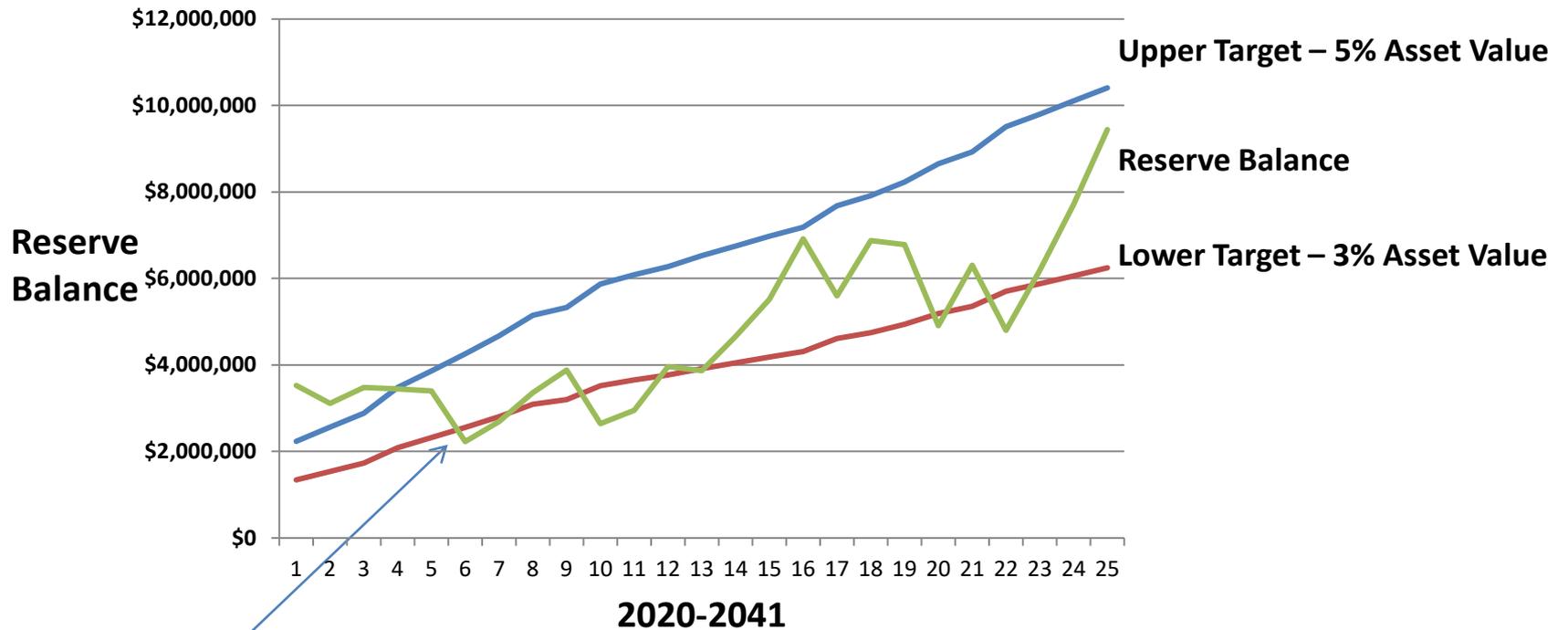
## Warton Reserve



Low Point = \$1,476,000 in 2031

# Water Capital Reserves

## Blended Water Systems



Low Point = \$2,225,900 in 2027

# Water Debt Capacity Ratio

System	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>Amabel Water (excluding Oliphant)</b>											
Own Source Revenues	\$938,808	\$888,724	\$912,617	\$937,110	\$962,219	\$987,956	\$1,014,339	\$1,041,381	\$1,069,100	\$1,097,510	\$1,115,727
Debt Repayment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt Capacity Ratio	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>Wiarion Water (Including Oliphant)</b>											
Own Source Revenues	\$1,310,718	\$1,412,886	\$1,497,229	\$1,587,466	\$1,684,028	\$1,787,378	\$1,898,015	\$2,016,474	\$2,143,329	\$2,279,197	\$2,419,323
Debt Repayment	\$0	\$0	\$0	\$103,996	\$207,992	\$305,245	\$305,245	\$418,330	\$560,733	\$560,733	\$560,733
Debt Capacity Ratio	0%	0%	0%	7%	12%	17%	16%	21%	26%	25%	23%
<b>Total Both Systems</b>											
Own Source Revenues	\$2,249,526	\$2,301,610	\$2,409,846	\$2,524,576	\$2,646,246	\$2,775,335	\$2,912,354	\$3,057,855	\$3,212,429	\$3,376,707	\$3,535,050
Debt Repayment	\$0	\$0	\$0	\$103,996	\$207,992	\$305,245	\$305,245	\$418,330	\$560,733	\$560,733	\$560,733
Debt Capacity Ratio	0%	0%	0%	4%	8%	11%	10%	14%	17%	17%	16%
<b>Blended Water Systems</b>											
Own Source Revenues	\$2,249,526	\$2,244,630	\$2,296,025	\$2,354,155	\$2,419,581	\$2,495,467	\$2,659,619	\$2,835,610	\$3,024,354	\$3,226,796	\$3,438,535
Debt Repayment	\$0	\$0	\$0	\$103,996	\$207,992	\$305,245	\$305,245	\$418,330	\$560,733	\$560,733	\$560,733
Debt Capacity Ratio	0%	0%	0%	4%	9%	12%	11%	15%	19%	17%	16%

# Amabel Water Rates

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Meter Size	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Annual Increase%	3.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	1.0%
0.62	\$117.00	\$119.34	\$121.73	\$124.16	\$126.64	\$129.18	\$131.76	\$134.40	\$137.08	\$139.83	\$141.22
0.75	\$129.00	\$131.58	\$134.21	\$136.90	\$139.63	\$142.43	\$145.27	\$148.18	\$151.14	\$154.17	\$155.71
1.00	\$164.00	\$167.28	\$170.63	\$174.04	\$177.52	\$181.07	\$184.69	\$188.38	\$192.15	\$196.00	\$197.96
1.50	\$211.00	\$215.22	\$219.52	\$223.91	\$228.39	\$232.96	\$237.62	\$242.37	\$247.22	\$252.16	\$254.69
2.00	\$340.00	\$346.80	\$353.74	\$360.81	\$368.03	\$375.39	\$382.90	\$390.55	\$398.36	\$406.33	\$410.39
2.50	\$821.00	\$837.42	\$854.17	\$871.25	\$888.68	\$906.45	\$924.58	\$943.07	\$961.93	\$981.17	\$990.98
3.00	\$1,290.00	\$1,315.80	\$1,342.12	\$1,368.96	\$1,396.34	\$1,424.26	\$1,452.75	\$1,481.80	\$1,511.44	\$1,541.67	\$1,557.09
4.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Reserve Charge	\$31.67	\$32.31	\$32.95	\$33.61	\$34.28	\$34.97	\$35.67	\$36.38	\$37.11	\$37.85	\$38.23
Vacant Charge	\$44.34	\$45.23	\$46.13	\$47.06	\$48.00	\$48.96	\$49.94	\$50.93	\$51.95	\$52.99	\$53.52
Annual Increase%	3.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	1.0%
Consumption Rate	\$2.04	\$2.08	\$2.12	\$2.16	\$2.21	\$2.25	\$2.30	\$2.34	\$2.39	\$2.44	\$2.46

# Wiaraton Water Rates

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Meter Size	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Annual Increase%	3.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
0.62	\$38.52	\$41.22	\$44.10	\$47.19	\$50.49	\$54.03	\$57.81	\$61.85	\$66.18	\$70.82	\$75.77
0.75	\$42.37	\$45.34	\$48.51	\$51.91	\$55.54	\$59.43	\$63.59	\$68.04	\$72.80	\$77.90	\$83.35
1.00	\$53.92	\$57.69	\$61.73	\$66.05	\$70.68	\$75.63	\$80.92	\$86.58	\$92.64	\$99.13	\$106.07
1.50	\$69.33	\$74.18	\$79.38	\$84.93	\$90.88	\$97.24	\$104.05	\$111.33	\$119.12	\$127.46	\$136.38
2.00	\$111.70	\$119.52	\$127.89	\$136.84	\$146.42	\$156.67	\$167.63	\$179.37	\$191.92	\$205.36	\$219.73
2.50	\$269.61	\$288.48	\$308.68	\$330.28	\$353.40	\$378.14	\$404.61	\$432.93	\$463.24	\$495.67	\$530.36
3.00	\$423.67	\$453.33	\$485.06	\$519.01	\$555.34	\$594.22	\$635.81	\$680.32	\$727.94	\$778.90	\$833.42
4.00	\$539.22	\$576.97	\$617.35	\$660.57	\$706.81	\$756.28	\$809.22	\$865.87	\$926.48	\$991.33	\$1,060.73
6.00	\$808.83	\$865.45	\$926.03	\$990.85	\$1,060.21	\$1,134.43	\$1,213.84	\$1,298.80	\$1,389.72	\$1,487.00	\$1,591.09
Annual Increase%	3.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Consumption Rate	\$1.96	\$2.09	\$2.24	\$2.40	\$2.57	\$2.74	\$2.94	\$3.14	\$3.36	\$3.60	\$3.85

# Blended Water Rates - Amabel

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Meter Size	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Annual Increase%	3.0%	-10.8%	-12.1%	-13.7%	-15.9%	-18.9%	7.0%	7.0%	7.0%	7.0%	7.0%
0.62	\$117.00	\$104.41	\$91.81	\$79.22	\$66.62	\$54.03	\$57.81	\$61.85	\$66.18	\$70.82	\$75.77
0.75	\$129.00	\$115.11	\$101.23	\$87.34	\$73.45	\$59.57	\$63.61	\$68.06	\$72.82	\$77.92	\$83.37
1.00	\$164.00	\$146.35	\$128.69	\$111.04	\$93.38	\$75.73	\$80.95	\$86.61	\$92.68	\$99.16	\$106.11
1.50	\$211.00	\$188.29	\$165.57	\$142.86	\$120.15	\$97.43	\$104.07	\$111.36	\$119.15	\$127.49	\$136.42
2.00	\$340.00	\$303.40	\$266.80	\$230.20	\$193.60	\$157.00	\$167.66	\$179.40	\$191.95	\$205.39	\$219.77
2.50	\$821.00	\$732.62	\$644.24	\$555.86	\$467.49	\$379.11	\$404.71	\$433.04	\$463.35	\$495.78	\$530.49
3.00	\$1,290.00	\$1,151.13	\$1,012.27	\$873.40	\$734.54	\$595.67	\$635.97	\$680.49	\$728.12	\$779.09	\$833.63
4.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$809.43	\$866.09	\$926.71	\$991.58	\$1,061.00
6.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,214.13	\$1,299.12	\$1,390.06	\$1,487.37	\$1,591.48
Reserve Charge	\$31.67	\$33.89	\$36.26	\$38.80	\$41.52	\$44.42	\$47.53	\$50.86	\$54.42	\$58.23	\$62.30
Vacant Charge	\$44.34	\$47.45	\$50.77	\$54.32	\$58.12	\$62.19	\$66.54	\$71.20	\$76.19	\$81.52	\$87.23
Annual Increase%	3.0%	6.0%	6.0%	6.0%	6.0%	6.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Consumption Rate	\$2.04	\$2.16	\$2.29	\$2.43	\$2.58	\$2.74	\$2.94	\$3.14	\$3.36	\$3.60	\$3.85

# Blended Water Rates - Wiarnton

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Meter Size	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Annual Increase%	3.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
0.62	\$38.52	\$41.22	\$44.10	\$47.19	\$50.49	\$54.03	\$57.81	\$61.85	\$66.18	\$70.82	\$75.77
0.75	\$42.37	\$45.34	\$48.51	\$51.91	\$55.54	\$59.43	\$63.61	\$68.06	\$72.82	\$77.92	\$83.37
1.00	\$53.92	\$57.69	\$61.73	\$66.05	\$70.68	\$75.63	\$80.95	\$86.61	\$92.68	\$99.16	\$106.11
1.50	\$69.33	\$74.18	\$79.38	\$84.93	\$90.88	\$97.24	\$104.07	\$111.36	\$119.15	\$127.49	\$136.42
2.00	\$111.70	\$119.52	\$127.89	\$136.84	\$146.42	\$156.67	\$167.66	\$179.40	\$191.95	\$205.39	\$219.77
2.50	\$269.61	\$288.48	\$308.68	\$330.28	\$353.40	\$378.14	\$404.71	\$433.04	\$463.35	\$495.78	\$530.49
3.00	\$423.67	\$453.33	\$485.06	\$519.01	\$555.34	\$594.22	\$635.97	\$680.49	\$728.12	\$779.09	\$833.63
4.00	\$539.22	\$576.97	\$617.35	\$660.57	\$706.81	\$756.28	\$809.43	\$866.09	\$926.71	\$991.58	\$1,061.00
6.00	\$808.83	\$865.45	\$926.03	\$990.85	\$1,060.21	\$1,134.43	\$1,214.13	\$1,299.12	\$1,390.06	\$1,487.37	\$1,591.48
Annual Increase%	3.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Consumption Rate	\$1.96	\$2.09	\$2.24	\$2.40	\$2.57	\$2.74	\$2.94	\$3.14	\$3.36	\$3.60	\$3.85

# Phasing In Blended Rates - The Benefits

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## Amabel Water

- Fixed Rate 54% Reduction reached by 2027
- Customer bills would be significantly reduced (40%)

## Wiarton Water

- No impact on fixed rates and cost to customers
- Access to Amabel's existing reserve fund balances to finance capital projects (\$3.2million vs \$2 million)
- Lower reserve contributions than would otherwise be required \$2.2 million vs. \$3.2 million over next 5 years

- ✓ Ease of administering operating & capital budgets (1 set instead of 2)
- ✓ Optimizing use of available reserve funds & capital financing

# Water Revenue Stability

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System	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>Amabel Water</b>											
Fixed Charge Revenue	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%	92%
Uniform Rate Revenue	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%
<b>Warton Water</b>											
Fixed Charge Revenue	60%	61%	61%	61%	61%	61%	61%	61%	61%	61%	61%
Uniform Rate Revenue	40%	39%	39%	39%	39%	39%	39%	39%	39%	39%	39%
<b>Total Both Systems (Sum)</b>											
Fixed Charge Revenue	76%	75%	75%	74%	74%	74%	73%	73%	73%	72%	72%
Uniform Rate Revenue	24%	25%	25%	26%	26%	26%	27%	27%	27%	28%	28%
<b>Blended Water Systems</b>											
Fixed Charge Revenue	76%	74%	73%	72%	70%	69%	69%	69%	69%	69%	69%
Uniform Rate Revenue	24%	26%	27%	28%	30%	31%	31%	31%	31%	31%	31%

# Residential Customer Impact – Water (12m3/month)

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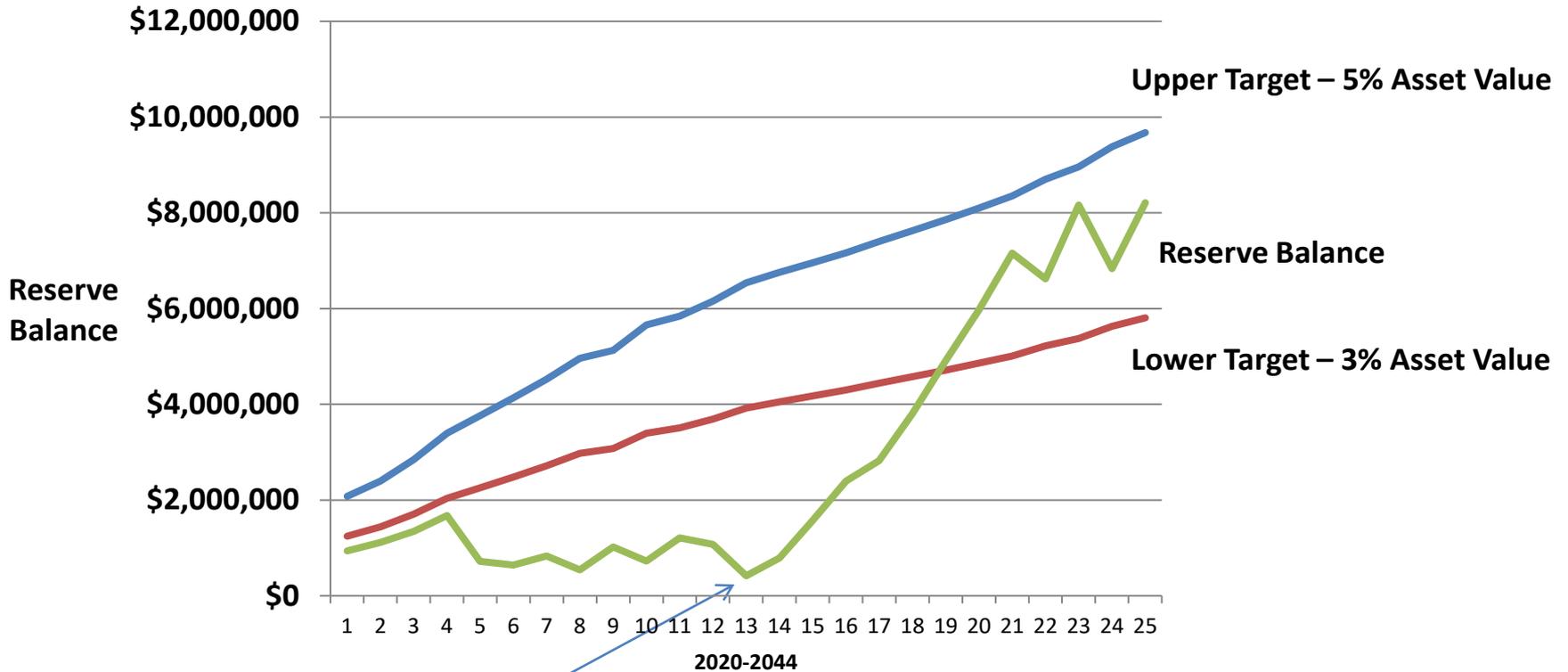
SYSTEM	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>AMABEL Water</b>											
Annual Increase%	4%	1%	2%	2%	2%	2%	2%	2%	2%	2%	1%
Total Charge	\$141.48	\$143.18	\$146.04	\$148.96	\$151.94	\$154.98	\$158.08	\$161.24	\$164.46	\$167.75	\$169.43
<b>WIARTON Water</b>											
Annual Increase%	4%	6%	7%	7%	7%	7%	7%	7%	7%	7%	7%
Total Charge	\$62.00	\$65.77	\$70.38	\$75.30	\$80.58	\$86.22	\$92.25	\$98.71	\$105.62	\$113.01	\$120.92
<b>BLENDED - AMABEL Water</b>											
Annual Increase%	4%	-9%	-9%	-9%	-10%	-10%	7%	7%	7%	7%	7%
Total Charge	\$141.48	\$129.18	\$118.09	\$107.08	\$96.17	\$86.22	\$92.25	\$98.71	\$105.62	\$113.01	\$120.92
<b>BLENDED WIARTON Water</b>											
Annual Increase%	4%	6%	7%	7%	7%	7%	7%	7%	7%	7%	7%
Total Charge	\$62.00	\$65.77	\$70.38	\$75.30	\$80.58	\$86.22	\$92.25	\$98.71	\$105.62	\$113.01	\$120.92

# Wastewater Cost of Service

System	2022	2022 (%)	2022 -2032 Average	2022-2032 Average (%)
<b>Warton Wastewater</b>				
Operating Costs	\$856,860	74%	\$956,644	55%
Transfers to Capital Reserve	\$211,493	18%	\$506,500	29%
Debt Repayment	\$86,357	7%	\$360,608	21%
<b>Total</b>	<b>\$1,154,710</b>	<b>100%</b>	<b>\$1,752,100</b>	<b>100%</b>

# Wastewater Capital Reserves

## Wiarion Wastewater Reserve



Low Point = \$417,000 in 2034

# Wastewater Debt Capacity Ratio

System	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>Warton Wastewater</b>											
Own Source Revenues	\$1,201,393	\$1,291,004	\$1,387,357	\$1,490,957	\$1,602,349	\$1,721,539	\$1,850,314	\$1,988,770	\$2,137,634	\$2,297,686	\$2,466,006
Debt Repayment	\$86,357	\$86,356	\$131,761	\$179,051	\$302,502	\$302,502	\$387,316	\$482,056	\$549,907	\$549,907	\$634,720
Debt Capacity Ratio	7%	7%	9%	12%	19%	18%	21%	24%	26%	24%	26%
<b>Blended Water Systems</b>											
Own Source Revenues	\$2,249,526	\$2,244,630	\$2,296,025	\$2,354,155	\$2,419,581	\$2,495,467	\$2,659,619	\$2,835,610	\$3,024,354	\$3,226,796	\$3,438,535
Debt Repayment	\$0	\$0	\$0	\$103,996	\$207,992	\$305,245	\$305,245	\$418,330	\$560,733	\$560,733	\$560,733
Debt Capacity Ratio	0%	0%	0%	4%	9%	12%	11%	15%	19%	17%	16%
<b>All Systems</b>											
Own Source Revenues	\$3,450,919	\$3,535,634	\$3,683,381	\$3,845,112	\$4,021,931	\$4,217,006	\$4,509,933	\$4,824,381	\$5,161,988	\$5,524,482	\$5,904,541
Debt Repayment	\$86,357	\$86,356	\$131,761	\$283,047	\$510,494	\$607,747	\$692,561	\$900,386	\$1,110,640	\$1,110,640	\$1,195,454
Debt Capacity Ratio	3%	2%	4%	7%	13%	14%	15%	19%	22%	20%	20%

# Wiarion Wastewater Rates

24

Meter Size	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Annual Increase%	6.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
0.62	\$49.88	\$53.37	\$57.11	\$61.11	\$65.38	\$69.96	\$74.86	\$80.10	\$85.70	\$91.70	\$98.12
0.75	\$54.87	\$58.71	\$62.82	\$67.22	\$71.92	\$76.96	\$82.35	\$88.11	\$94.28	\$100.88	\$107.94
1.00	\$69.83	\$74.72	\$79.95	\$85.54	\$91.53	\$97.94	\$104.80	\$112.13	\$119.98	\$128.38	\$137.37
1.50	\$89.78	\$96.06	\$102.79	\$109.98	\$117.68	\$125.92	\$134.74	\$144.17	\$154.26	\$165.06	\$176.61
2.00	\$144.65	\$154.78	\$165.61	\$177.20	\$189.61	\$202.88	\$217.08	\$232.28	\$248.54	\$265.93	\$284.55
2.50	\$349.16	\$373.60	\$399.75	\$427.74	\$457.68	\$489.71	\$524.00	\$560.67	\$599.92	\$641.92	\$686.85
3.00	\$548.68	\$587.09	\$628.18	\$672.16	\$719.21	\$769.55	\$823.42	\$881.06	\$942.73	\$1,008.73	\$1,079.34
4.00	\$698.32	\$747.20	\$799.51	\$855.47	\$915.36	\$979.43	\$1,047.99	\$1,121.35	\$1,199.84	\$1,283.83	\$1,373.70
Vacant Charge	\$48.33	\$51.71	\$55.33	\$59.21	\$63.35	\$67.79	\$72.53	\$77.61	\$83.04	\$88.85	\$95.07
Annual Increase%	6.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Consumption Rate	\$2.96	\$3.17	\$3.39	\$3.63	\$3.88	\$4.15	\$4.44	\$4.75	\$5.09	\$5.44	\$5.82

# Wastewater Revenue Stability

25

System	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<b>Warton Wastewater</b>											
Fixed Charge Revenue	57%	57%	57%	57%	57%	57%	57%	57%	57%	57%	57%
Uniform Rate Revenue	43%	43%	43%	43%	43%	43%	43%	43%	43%	43%	43%

# Residential Customer Impact – Wastewater (12m<sup>3</sup>/month)

26

SYSTEM	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
<b>WIARTON Wastewater</b>										
Annual Increase%	5.9%	7.1%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%
Fixed Charge	\$49.88	\$53.64	\$57.39	\$61.41	\$65.71	\$70.31	\$75.23	\$80.49	\$86.13	\$92.16
Consumption Charge	\$35.52	\$37.84	\$40.49	\$43.32	\$46.35	\$49.60	\$53.07	\$56.78	\$60.76	\$65.01
<b>Total Charge</b>	<b>\$85.40</b>	<b>\$91.47</b>	<b>\$97.88</b>	<b>\$104.73</b>	<b>\$112.06</b>	<b>\$119.90</b>	<b>\$128.30</b>	<b>\$137.28</b>	<b>\$146.89</b>	<b>\$157.17</b>
Consumption Rate	\$2.96	\$3.15	\$3.37	\$3.61	\$3.86	\$4.13	\$4.42	\$4.73	\$5.06	\$5.42

