



Township of West Lincoln Water and Wastewater Rate Study & Water Financial Plan

Council Meeting
November 16, 2020

Areas of Discussion



- Study Purpose
- Legislation for Water and Wastewater;
- Existing and Forecasted Customers and Volumes;
- Capital Needs and Financing;
- Lifecycle Costs (Existing Infrastructure);
- Operating Expenditures;
- Rates;
- O.Reg. 453/07 Financial Plan; and
- Next Steps.

Study Purpose



- Identify all current and future water and wastewater system capital needs;
- Identify cost recovery options for capital;
- Estimate future operating costs over the next 10 years; and
- Recommend new rates to recover the cost of the water and wastewater systems.



Legislation for Water and Wastewater

Township of West Lincoln

Legislation Overview



Since Walkerton, new legislation has been passed by the Province to enhance the provision of services. These include the following:

- Safe Drinking Water Act;
- Sustainable Water and Sewage Systems Act;
- O.Reg. 453/07 - Safe Drinking Water Act;
- Clean Water Act; and
- Water Opportunities Act.

Further Requirements:

- Municipal Infrastructure Strategy
- Infrastructure for Jobs and Prosperity Act, 2015

Water Opportunities Act, 2010



- The Act provides for the following elements:
 - Foster innovative water, wastewater and stormwater technologies, services and practices in the private and public sectors;
 - Prepare Water Conservation Plans to attain water conservation targets to be established by regulations; and
 - Prepare Sustainability Plans for Water, Wastewater and Stormwater Services.

Water Opportunities Act, 2010



- On November 29, 2010, The *Water Opportunities Act*, 2010 received Royal Assent (note: only Regulation 40/11 - Water Technology Acceleration Project has been passed).
- Part 3 of the Act provides for the preparation of sustainability plans:
 - The Act extends from the water financial plans and requires a more detailed review of the water financial plan and requires a full plan for wastewater and storm water services; and
 - Regulations will provide performance targets for each service – these targets may vary based on the jurisdiction of the regulated entity or the class of entity.

Water Opportunities Act, 2010

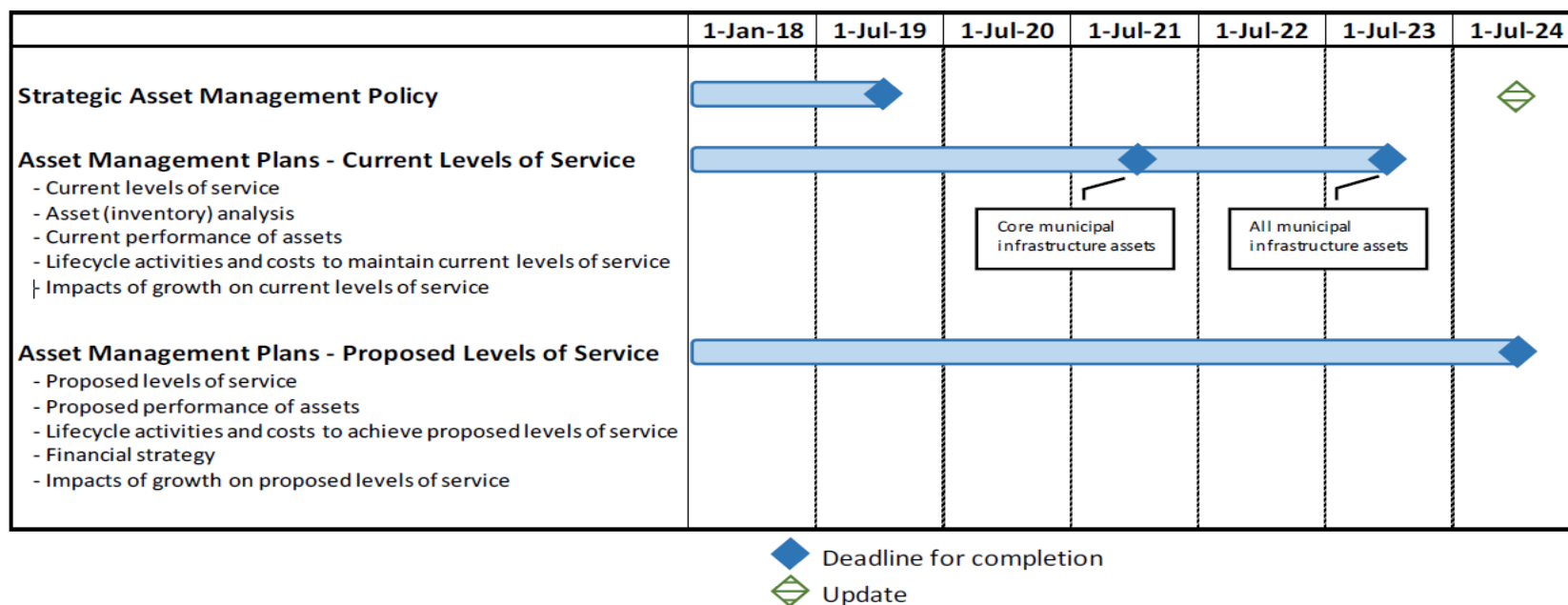


- The Financial Plan shall include:
 - An asset management plan for the physical infrastructure;
 - A financial plan;
 - For water, a conservation plan;
 - An assessment of risks that may interfere with the future delivery of the municipal service, including, if required by the regulations, the risks posed by climate change and a plan to deal with those risks; and
 - Strategies for maintaining and improving the municipal service to ensure future demand can be satisfied, consider technologies to improve the service and potential increased co-operation with other municipal service providers.
- ❖ The rate study would provide inputs required to complete the Financial Plan required for licensing approval

Infrastructure for Jobs and Prosperity Act (IJPA), 2015



- On December 27, 2017, the Province of Ontario released Ontario Regulation 588/17 under IJPA and has 3 phases that municipalities must meet:
 - Every municipality in Ontario will have to prepare a strategic asset management policy by July 1, 2019. Municipalities will be required to review their strategic asset management policies at least every five years, and make updates as necessary;





Infrastructure for Jobs and Prosperity Act (IJPA), 2015

- Phase 1 – Asset Management Plan (by July 1, 2021):
 - For **core assets** – Municipalities must have the following:
 - Inventory of assets;
 - Current levels of service measured by standard metrics; and
 - Costs to maintain levels of service.
- Phase 2 – Asset Management Plan (by July 1, 2023):
 - Same steps as Phase 1 but for **all assets**.
- Phase 3 – Asset Management Plan (by July 1, 2024):
 - Builds on Phase 1 and 2 by adding:
 - Proposed levels of service; and
 - Lifecycle management and Financial strategy



Existing and Forecasted Customers and Volumes

Township of West Lincoln

Current Rates – Effective July 1, 2020



2020 - Water Billing Rates		
Base Charge - Per quarter		
5/8"		39.48
3/4"		39.48
1"		98.69
1 1/4"		148.03
1 1/2"		197.38
2"		315.80
3"		631.61
4"		986.90
6"		1,973.77
8"		3,158.03
Volume Charge		
\$	1.410	per m ³
Volume Charge (Bulk Water)		
\$	1.900	per m ³

2020 - Wastewater Billing Rates		
Base Charge - Per quarter		
5/8"		91.01
3/4"		91.01
1"		227.54
1 1/4"		341.29
1 1/2"		455.07
2"		728.09
3"		1,456.19
4"		2,275.29
6"		4,550.58
8"		7,280.93
Volume Charge		
\$	1.820	per m ³

Customer Profile



Metered	Water	Wastewater
5/8"	2,388	2,382
3/4"	-	-
1"	11	10
1 1/4"	-	-
1 1/2"	16	14
2"	18	16
3"	3	3
4"	1	1
6"	-	-
8"	-	-
Total	2,437	2,426



Water Forecast Users and Billable Volumes

Have assumed an average of 161 m³ per customer for future flows.

Water Customer Forecast	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Existing	2,437	2,437	2,437	2,437	2,437	2,437	2,437	2,437	2,437	2,437	2,437
New - Growth	39	116	193	276	371	479	598	731	870	1,009	1,148
Total	2,476	2,553	2,630	2,713	2,808	2,916	3,035	3,168	3,307	3,446	3,585

Water Volume Forecast (m ³)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Volumes											
Existing	573,720	573,720	573,720	573,720	573,720	573,720	573,720	573,720	573,720	573,720	573,720
New	6,279	18,676	31,073	44,436	59,763	77,055	96,310	117,691	140,070	162,449	184,828
Total	579,999	592,396	604,793	618,156	633,483	650,775	670,030	691,411	713,790	736,169	758,548

Wastewater Forecast Users and Billable Volumes



Have assumed an average of 161 m³ per customer for future flows.

Wastewater Customer Forecast	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Existing	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426	2,426
New - Growth	39	116	193	276	371	479	598	731	870	1,009	1,148
Total	2,465	2,542	2,619	2,702	2,797	2,905	3,024	3,157	3,296	3,435	3,574

Wastewater Flows Forecast (m ³)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Volumes											
Existing	573,720	573,720	573,720	573,720	573,720	573,720	573,720	573,720	573,720	573,720	573,720
New	6,279	18,676	31,073	44,436	59,763	77,055	96,310	117,691	140,070	162,449	184,828
Total	579,999	592,396	604,793	618,156	633,483	650,775	670,030	691,411	713,790	736,169	758,548



Capital Needs and Financing

Township of West Lincoln

Capital Infrastructure



- Works were identified based on the current budgets, and 2021 to 2030 capital forecast and review of capital infrastructure replacement
- Capital needs were developed by Township staff based on Council approved documents such as the 10-year capital forecast
- Capital works were identified by
 - Need;
 - Timing; and
 - Costs.

Water Capital System Needs 2021-2030 (pg. 1 of 2)

\$9.16 million – Inflated



Description	Forecast 2021-2030	Timing
Capital Expenditures		
Water Meters - Replacement Program	376,000	2021-2029
Rolling Stock - 2025 - 3/4 Ton Van - To replace 2007 Chevrolet	43,000	2025
Facilities - 2027 - Bulk Water Station - Replace roof shingles	11,000	2027
Main - Replace - Construction - 2022 - Brock St - From: RR 20 To: North End	515,000	2022
Main - Replace - Construction - 2029 - Wade Road N - From: West Street To: South Limit	837,000	2029
Equipment - Miscellaneous Water Equipment	50,000	2021-2029
Water Meters - New Installation	369,000	2021-2029
Facilities - 2027 - Bulk Water Building - New Building	345,000	2027
Studies:		
Operating-Study - Water Loss Study	51,000	2021
Operating-Study - Water Distribution System - Leak detection program	281,000	2024-2028
Operating-Other - Water Loss Program	161,000	2025-2026

Water Capital System Needs 2021-2030 (pg. 2 of 2)

\$9.16 million – Inflated



Description	Forecast 2021-2030	Timing
Capital Expenditures		
Growth Related:		
Main - Upsize and Replace - Design - 2022 - Spring Creek Rd - From: Station St To: Hornak Rd	13,000	2022
Main - New - Design - 2022 - Spring Creek Rd - From: Hornak Rd To: SG Rd 5	66,000	2022
Main - New - Design - 2022 - Spring Creek Rd - From: SG Rd 5 To: SG Rd 6	40,000	2022
Main - New - Design - 2022 - South Grimsby Rd 5 - From: Spring Creek Rd To: Northridge Dr	40,000	2022
Main - Upsize and Replace - Design - 2022 - South Grimsby Rd 5 - From: Northridge Dr To: HWY 20	28,000	2022
Main - New - Design - 2022 - South Grimsby Rd 6 - Extension - From: Spring Creek Rd To: HWY 20	28,000	2022
Main - Upsize and Replace - Constuction - 2023 - Sping Creek Rd - From: Station St To: Hornak Rd	125,000	2023
Main - New - Construction - 2023 - SG RD 5 - From: Spring Creek Rd To: Northridge Dr	468,000	2023
Main - Upsize and Replace - Constuction - 2023 - SG RD 5 - From: Northridge Dr To: HWY 20	334,000	2023
Main - New - Construction - 2023 - Spring Creek Rd - From: Hornak Rd To: SG Rd 5	805,000	2023
Main - New - Construction - 2023 - Spring Creek Rd - From: SG Rd 5 To: SG Rd 6	416,000	2023
Main - New - Construction - 2023 - SG RD 6 - From: Spring Creek Rd To: HWY 20	377,000	2023
Main - Upsize and Replace - Design - 2023 - Van Woudenberg Way - From: Station St To: West Boundary Limits	42,000	2023
Main - Upsize and Replace - Constuction - 2024 - Van Woudenberg Way - From: Station St To: West Boundary Limits	383,000	2024
Main - Upsize and Replace - Design - 2024 - St. Catherines St - From: Industrial Park Rd To: Frank St	71,000	2024
Main - New - Design - 2024 - St. Catherines St - From: Frank St To: Griffin St	8,000	2024
Main - Upsize and Replace - Design - 2024 - Griffin St. N - From: Griffin St To: Station & West St	17,000	2024
Main - New - Construction - 2024 - Industrial Park Rd - From: London Rd To: Spring Creek Rd	612,000	2024
Main - Upsize and Replace - Constuction - 2025 - St. Catherines St. - From: Industrial Park Rd To: Frank St	794,000	2025
Main - New - Construction - 2025 - St. Catherines St. - From: Frank St To: Griffin St	119,000	2025
Main - Upsize and Replace - Constuction - 2025 - Griffin St. N - From: Griffin St To: Station St	148,000	2025
Main - New - Construction - 2025 - Industrial Park Rd - From: Pearson Rd To: Urban Boundary	441,000	2025
Main - Replace - Design - 2026 - Colver St - From: RR14 To: Wade Rd	48,000	2026
Main - Replace - Construction - 2027 - Colver St - From: RR14 To: Wade Rd	701,000	2027
Total Capital Expenditures	9,163,000	

Wastewater Capital System Needs 2021-2030

\$3.27 million – Inflated



Description	Forecast 2021-2030	Timing
Capital Expenditures		
Lifecycle:		
Equipment - Miscellaneous Wastewater Equipment	50,000	2021-2029
Equipment - 2021 - Smoke Tester - To replace 2006 Hurco	4,000	2021
Studies:		
Operating-Study - Pollution Control Plan - CSO Study - Extraneous Flow Reduction Program	152,000	2028
Growth Related:		
Operating-Other - Inflow & Infiltration Reduction Program - Remedial Property Disconnection Works	204,000	2021
Operating-Other - Inflow & Infiltration Reduction Program - Remedial Property Disconnection Works	104,000	2022
Operating-Study - Extraneous Flow Reduction Program - Flow Monitoring Study	120,000	2022
Operating-Study - Pollution Control Plan - CSO Study - Extraneous Flow Reduction Program	127,000	2023
Operating-Other - Inflow & Infiltration Reduction Program - Remedial Property Disconnection Works	106,000	2023
Main - Upsize and Replace - Design - 2023 - Hornak Rd & Van Woudenberg Way - From: Station St (MH 167) To: Van Woudenberg Way (MH 340)	37,000	2023
Main - Upsize and Replace - Design - 2023 - Van Woudenberg Way - From: Hornak Rd (MH 454) To: Las Rd (MH 340)	23,000	2023
Operating-Other - Inflow & Infiltration Reduction Program - Remedial Property Disconnection Works	108,000	2024
Main - Upsize and Replace - Constuction - 2024 - Van Woudenberg Way/Hornak Rd - From: Hornak Rd (MH 454) To: Las Rd (MH 340)	381,000	2024
Main - Upsize and Replace - Constuction - 2024 - Hornak Rd - From: Station St (MH 167) To: Van Woudenberg Way (MH 340)	595,000	2024
Main - New - Construction - 2025 - Industrial Park Rd - From: Pearson Rd To: Urban Boundary	743,000	2025
Operating-Other - Inflow & Infiltration Reduction Program - Remedial Property Disconnection Works	110,000	2025
Main - Upsize and Replace - Design - 2026 - Anderson Court - From: MH 230 To: MH 1	25,000	2026
Main - Upsize and Replace - Constuction - 2027 - Anderson Court - From: MH 230 To: MH 1	381,000	2027
Total Capital Expenditures	3,270,000	



Capital Financing Options

- ✓ Reserves
- ✓ Development Charges
- ✓ Debt
- ✓ Operating Budget Transfers (Funding Reserves)
- Grants
- Municipal Act (Part 12)

Reserve Balances

As of December 31, 2019



Reserve	Dec. 31 2019
Water	
Capital Reserve	567,764
Development Charges Reserve Fund	532,026
Wastewater	
Capital Reserve	867,287
Development Charges Reserve Fund	646,544



Proposed Capital Financing Programs

2021-2030 (Inflated \$)

Description	Water 2021-2030	Wastewater 2021-2030
Capital Financing		
Provincial/Federal Grants	-	-
Development Charges Reserve Fund	4,272,456	1,782,932
Non-Growth Related Debenture Requirements	1,096,474	-
Growth Related Debenture Requirements	-	-
Operating Contributions	-	-
Lifecycle Reserve Fund	-	-
Water/Wastewater Reserve	3,794,071	1,487,068
Total Capital Financing	9,163,000	3,270,000

Note:

- The Water D.C. reserve fund is forecasted to be in a deficit position from 2023-2029 (back to positive in 2030).
 - The deficit will reach its peak in 2025 at \$1.7 million.
- Based on the above, the Township may need to issue debentures for the growth-related projects or enter into prepayment/front-ending agreements with developers to assist with cashflow.



Lifecycle Costs (Existing Infrastructure)

Township of West Lincoln

Lifecycle Infrastructure Costs



- The age of the water system dates back to the early 1950's;
- The age of the wastewater system date back to the early 1960's;
- Total value of existing water infrastructure is \$26.4 million;
- Total value of existing wastewater infrastructure is \$30.6 million;
- This provides for a “per customer” investment by the Township of \$10,826 for water and \$12,622 for wastewater.

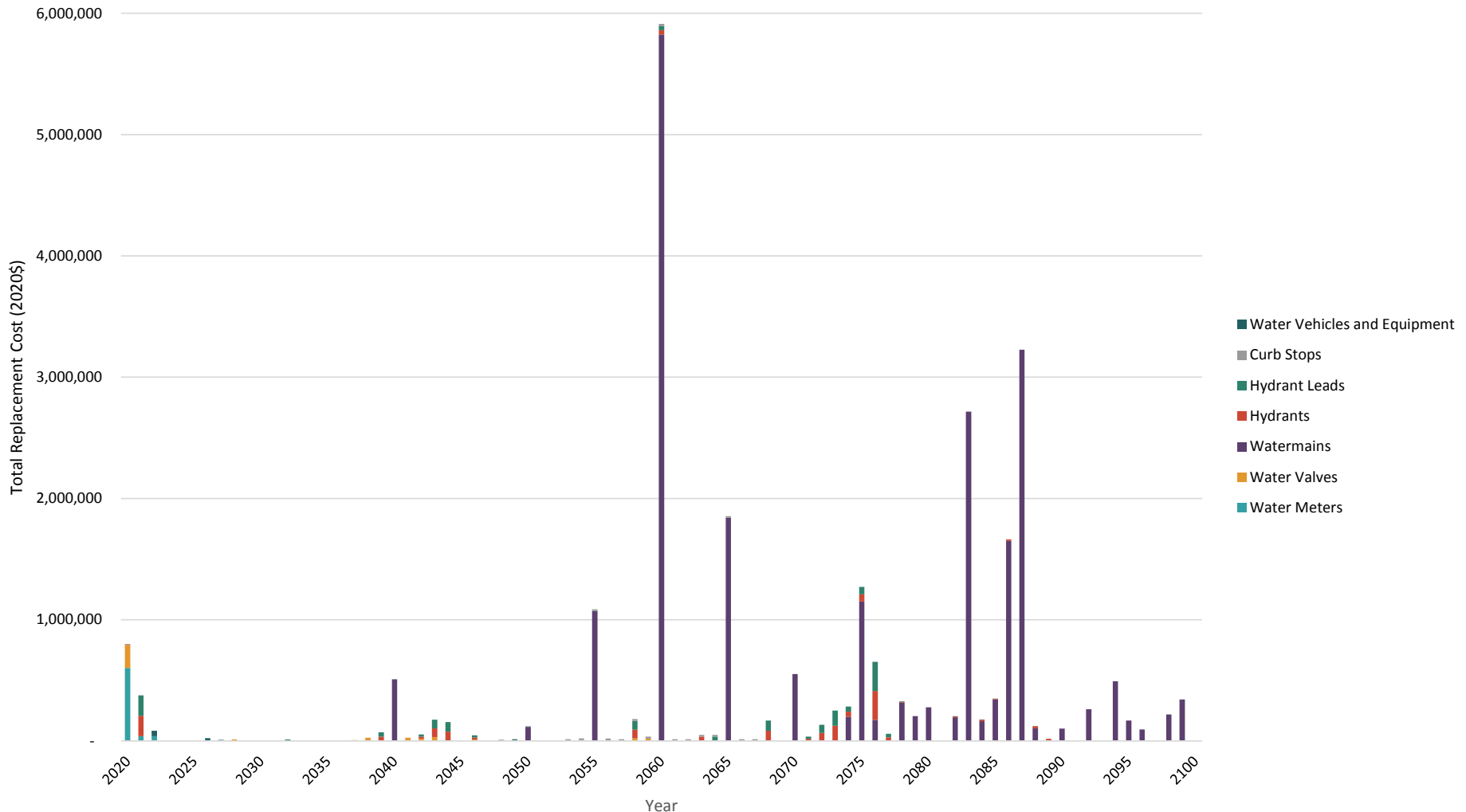
Summary of Water and Wastewater Asset Inventory



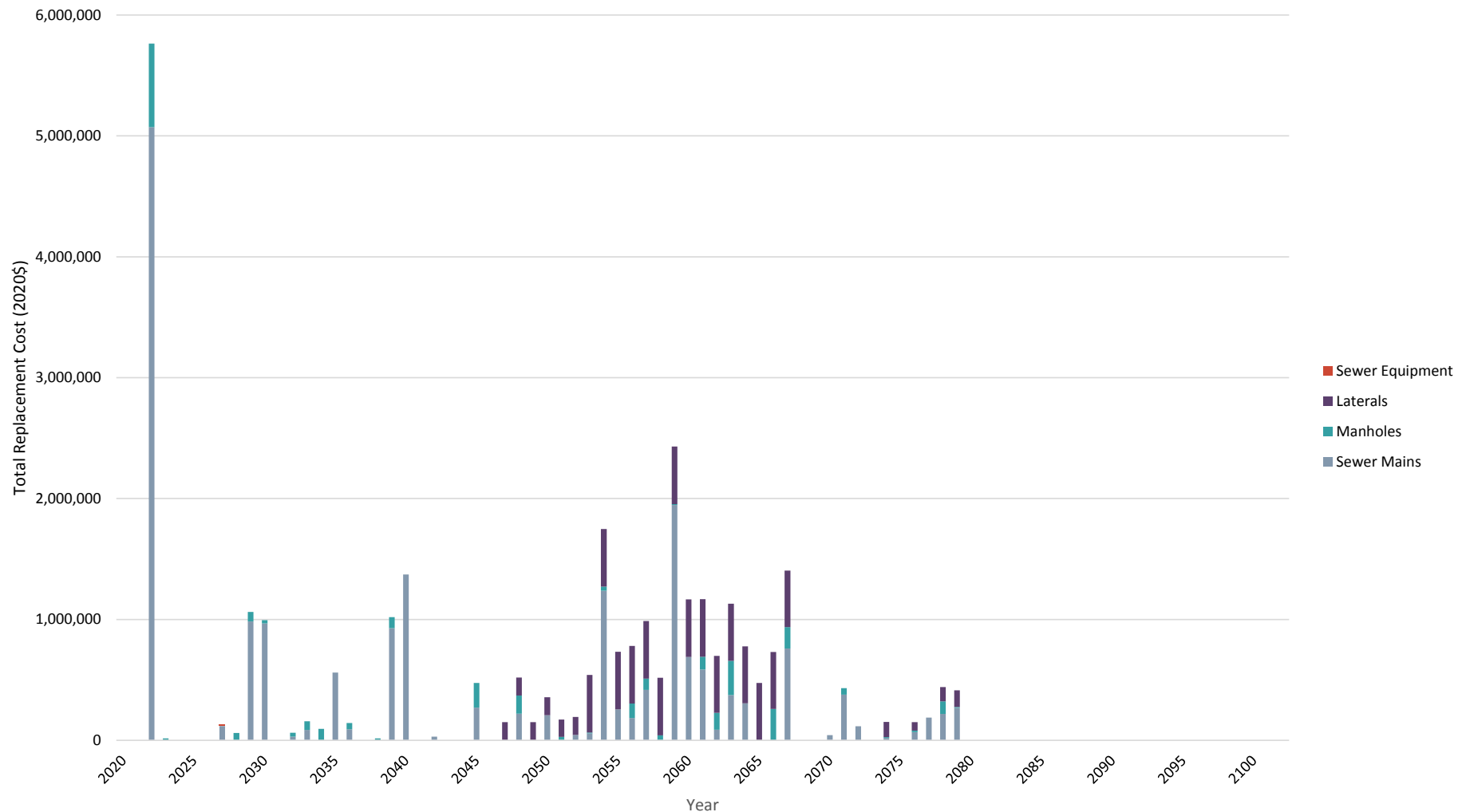
Area	Total Replacement Value	Suggested amount to be included in 10-year forecast based on estimated life	Amount included in capital forecast (Non-Growth Related)	Net Replacement for Future Lifecycle	Annual Lifecycle Replacement
Water					
Water Land	60,655	-	4,759,344	21,563,706	-
Water Facilities	74,434	74,434			-
Water Meters	684,879	682,362			227
Watermains	22,310,387	-			716,111
Hydrants	1,295,136	173,884			40,897
Hydrant Leads	1,224,179	169,059			39,072
Curb Stops	257,760	-			9,733
Water Valves	399,949	206,878			10,169
Water Vehicles and Equipment	76,326	76,001			27
Total Water	26,383,705	1,382,618	4,759,344	21,563,706	816,237
Wastewater					
Sewer Main Inventory	19,103,838	7,133,185	1,762,188	28,859,230	533,704
Sewer Manhole Inventory	3,053,485	870,540			96,731
Sewer Laterals Inventory	8,451,755	-			315,830
Sewer Equipment	12,340	12,340			-
Total Wastewater	30,621,418	8,016,064	1,762,188	28,859,230	946,265
Total	57,005,123	9,398,682	6,521,532	50,422,936	1,762,502

Investment per customer is \$10,826 for water and \$12,622 for wastewater

Age-Based Water Asset Replacement Schedule (2020\$)



Age-Based Wastewater Asset Replacement Schedule (2020\$)





Operating Expenditures

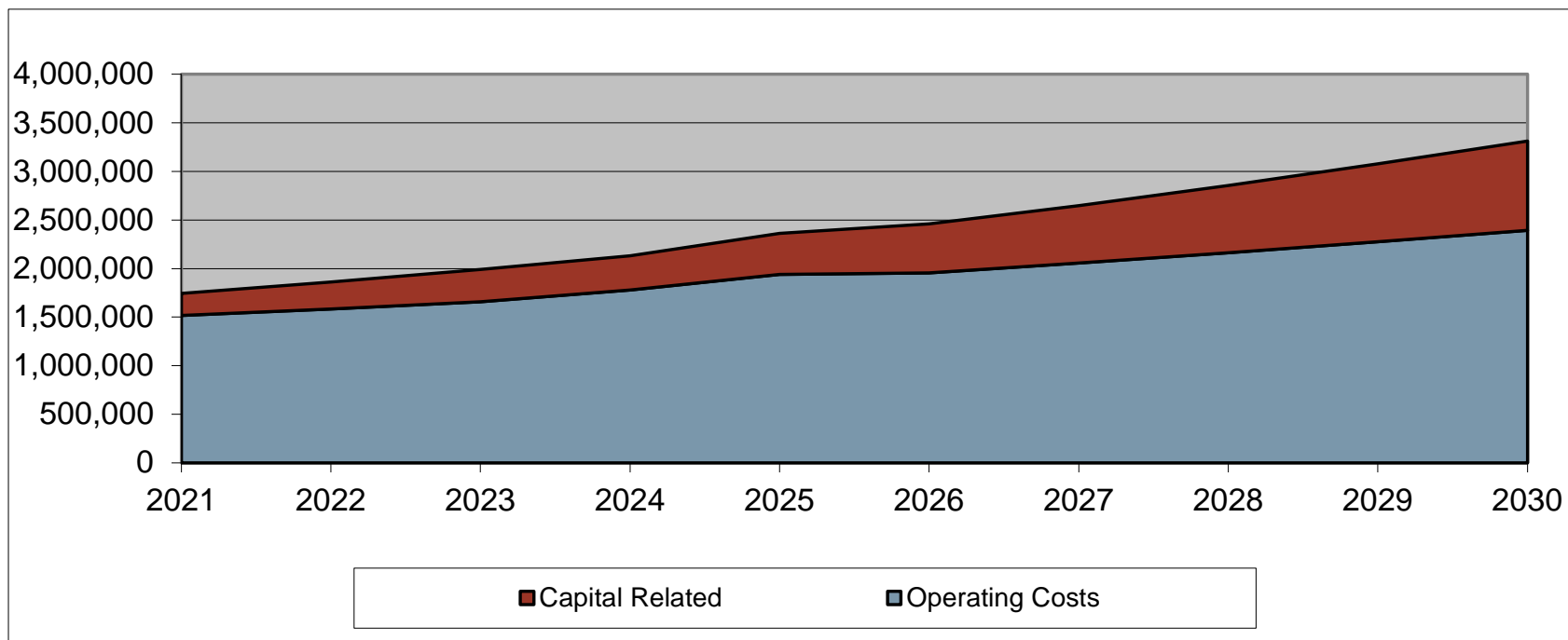
Township of West Lincoln

Operating Budgets



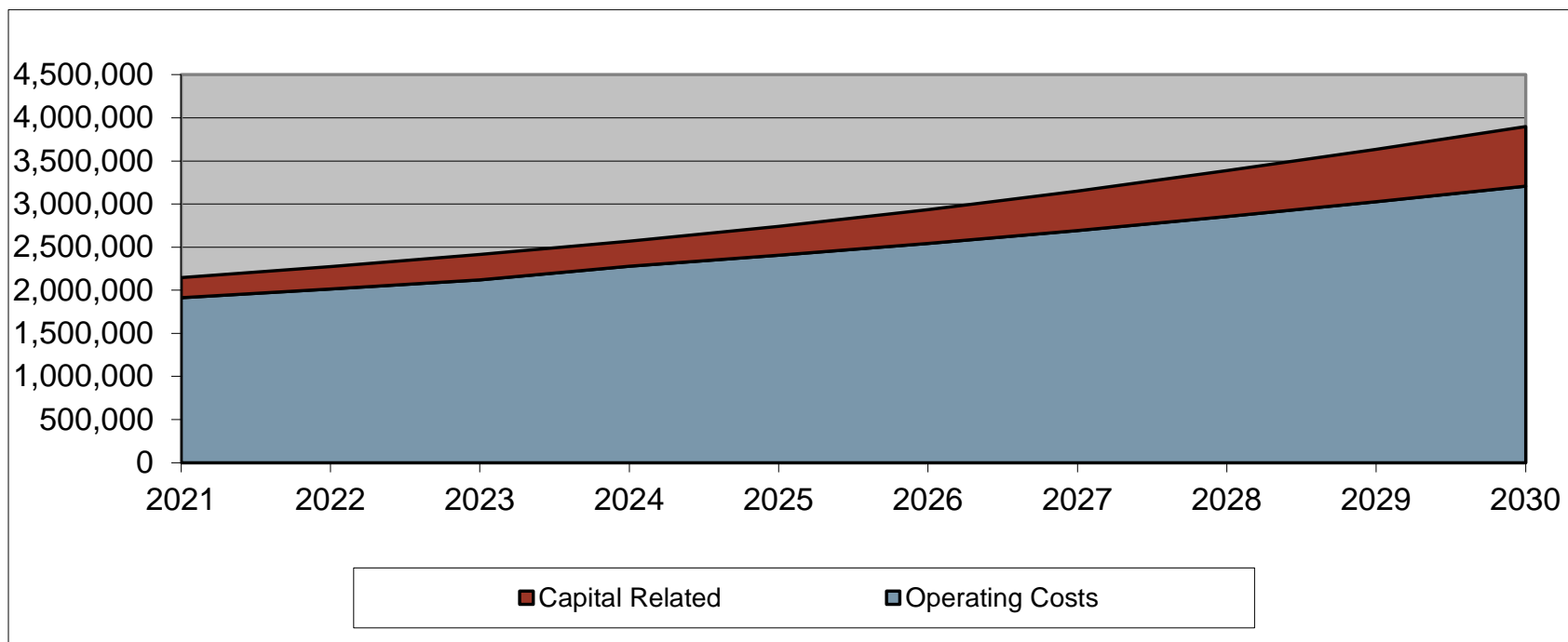
- Operating expenditures are increasing over the forecast to recognize:
 - Inflationary impacts:
 - 5% for utilities and chemicals
 - 2% for salaries and wages
 - 3% all other
 - Public Works staff have also identified the need to add 1 new water/wastewater position in 2021 and another in 2024

Water Operating Budget



Description	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Operating Costs	1,515,028	1,584,110	1,657,542	1,778,926	1,939,721	1,956,925	2,056,443	2,162,842	2,275,041	2,393,572
Capital Related	229,333	277,480	331,343	350,947	421,116	501,246	592,473	693,064	801,768	919,876
Total	1,744,362	1,861,590	1,988,885	2,129,873	2,360,837	2,458,171	2,648,916	2,855,906	3,076,809	3,313,447

Wastewater Operating Budget



Description	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Operating Costs	1,912,105	2,012,551	2,120,014	2,279,060	2,406,379	2,544,324	2,694,308	2,855,245	3,026,061	3,207,128
Capital Related	235,697	262,569	293,730	290,112	336,481	392,055	457,946	531,103	608,403	690,304
Total	2,147,801	2,275,120	2,413,744	2,569,171	2,742,860	2,936,379	3,152,254	3,386,348	3,634,464	3,897,432

Residential Water Rate Forecast

Based on 161 m³ Annual Volumes



Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Quarterly Base Charge (Jan-June)	\$37.60	\$39.48	\$41.45	\$43.53	\$45.70	\$47.99	\$50.39	\$52.91	\$55.55	\$58.33	\$61.25
Quarterly Base Charge (July-Dec)	\$39.48	\$41.45	\$43.53	\$45.70	\$47.99	\$50.39	\$52.91	\$55.55	\$58.33	\$61.25	\$64.31
Constant Rate (m ³) - January to June	\$1.34	\$1.41	\$1.48	\$1.55	\$1.63	\$1.71	\$1.80	\$1.89	\$1.98	\$2.08	\$2.19
Constant Rate (m ³) - July to December	\$1.41	\$1.48	\$1.55	\$1.63	\$1.71	\$1.80	\$1.89	\$1.98	\$2.08	\$2.19	\$2.30
Annual Base Charge Bill	\$154.16	\$161.87	\$169.96	\$178.46	\$187.38	\$196.75	\$206.59	\$216.92	\$227.76	\$239.15	\$251.11
January to June Volume (m ³)	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
July to December Volume (m ³)	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
Annual Volume Bill	\$221.38	\$232.69	\$244.32	\$256.54	\$269.36	\$282.83	\$296.97	\$311.82	\$327.41	\$343.78	\$360.97
Total Annual Bill	\$375.54	\$394.55	\$414.28	\$434.99	\$456.74	\$479.58	\$503.56	\$528.74	\$555.18	\$582.93	\$612.08
% Increase - Base Rate		5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
% Increase - Volume Rate		5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
% Increase - Total Annual Bill		5%	5%	5%	5%	5%	5%	5%	5%	5%	5%

Bulk Water Rate Forecast



Bulk Water Rate	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Constant Rate (m ³) - January to June	\$1.81	\$1.90	\$2.00	\$2.10	\$2.21	\$2.32	\$2.44	\$2.56	\$2.69	\$2.82	\$2.96
Constant Rate (m ³) - July to December	\$1.90	\$2.00	\$2.10	\$2.21	\$2.32	\$2.44	\$2.56	\$2.69	\$2.82	\$2.96	\$3.11
% Increase - Volume Rate		5%	5%	5%	5%	5%	5%	5%	5%	5%	5%

Residential Wastewater Rate Forecast

Based on 161 m³ Annual Volumes

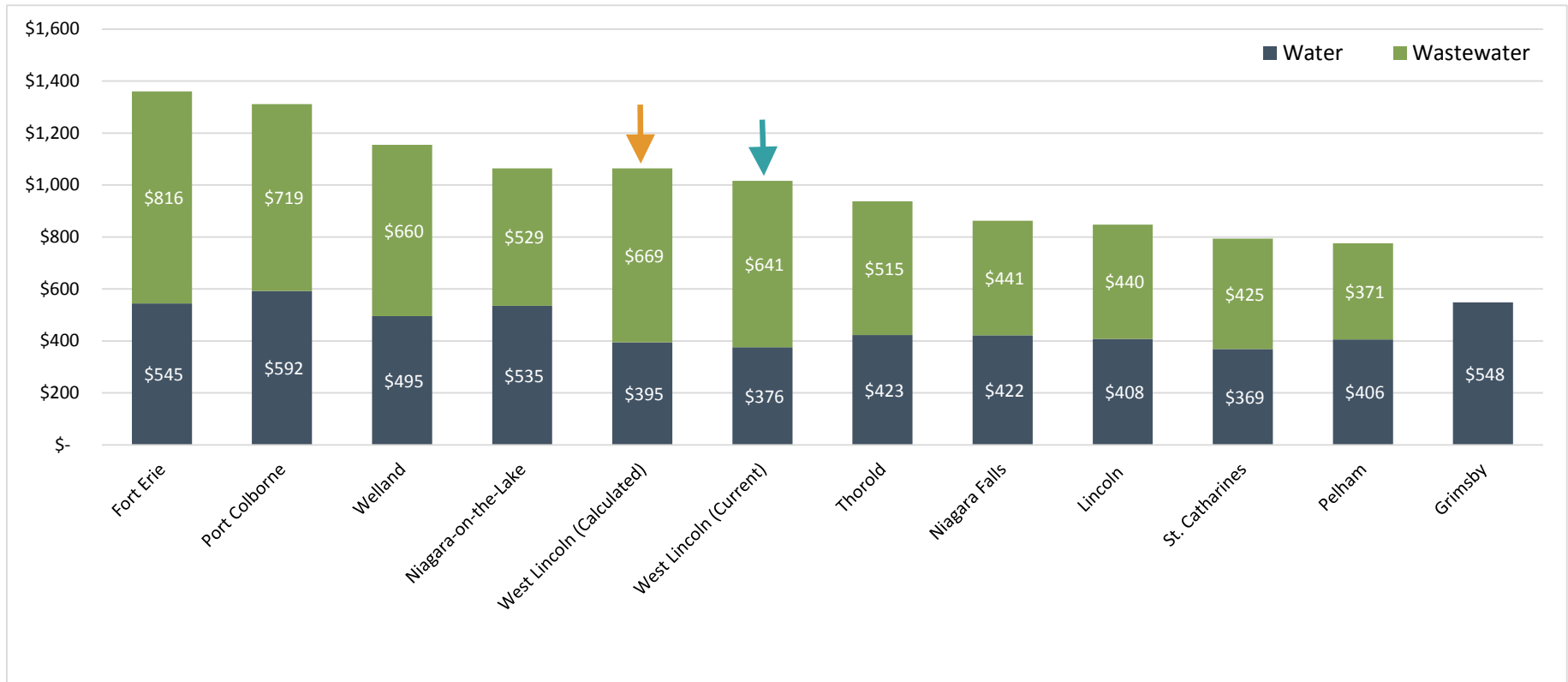



Description	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Quarterly Base Charge (Jan-June)	\$86.68	\$91.01	\$95.56	\$100.34	\$105.36	\$110.62	\$116.15	\$121.96	\$128.06	\$134.46	\$141.19
Quarterly Base Charge (July-Dec)	\$91.01	\$95.56	\$100.34	\$105.36	\$110.62	\$116.15	\$121.96	\$128.06	\$134.46	\$141.19	\$148.25
Constant Rate (m ³) - January to June	\$1.73	\$1.82	\$1.86	\$1.89	\$1.93	\$1.97	\$2.01	\$2.05	\$2.09	\$2.13	\$2.18
Constant Rate (m ³) - July to December	\$1.82	\$1.86	\$1.89	\$1.93	\$1.97	\$2.01	\$2.05	\$2.09	\$2.13	\$2.18	\$2.22
Annual Base Rate Bill	\$355.38	\$373.14	\$391.80	\$411.39	\$431.96	\$453.56	\$476.23	\$500.04	\$525.05	\$551.30	\$578.86
January to June Volume (m ³)	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
July to December Volume (m ³)	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
Annual Volume Bill	\$285.78	\$295.95	\$301.87	\$307.91	\$314.06	\$320.35	\$326.75	\$333.29	\$339.95	\$346.75	\$353.69
Total Annual Bill	\$641.16	\$669.09	\$693.67	\$719.29	\$746.02	\$773.90	\$802.99	\$833.33	\$865.00	\$898.05	\$932.55
% Increase - Base Rate		5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
% Increase - Volume Rate		5%	2%	2%	2%	2%	2%	2%	2%	2%	2%
% Increase - Total Annual Bill		5%	4%	4%	4%	4%	4%	4%	4%	4%	4%

Comparison of Residential Annual Water and Wastewater Bill



Based on 161 m³ Annual Volumes





Water Financial Plan O.Reg. 453/07

Township of West Lincoln

Ontario Regulation 453/07 Water Financial Plan



- All municipalities providing water service are required to be licensed to operate their water system.
- Part of the licensing requirement is for the municipality to submit a Financial Plan to the Province
- Current water license expires on June 9, 2021

Summary of O.Reg. 453/07 Requirements



- The plan is considered a living document but will need to be undertaken at a minimum every five years
- The plans are generally consistent with the "Watson" Approach in forecasting the capital, operating and reserve fund positions, providing detailed inventories, forecasting future volumes and calculation of the rates.
- The additional requirements include the PSAB information for each year of the forecast (i.e. total non-financial assets, tangible capital assets acquisitions, tangible capital asset construction, betterments, write downs, disposals, total liabilities and net debt)
- The financial plans must be made available upon request to the public (without charge) and on the municipality's web site. The availability of this information must also be advertised

What Does All of This Mean?



- Reporting is mandatory for Water and encouraged for Wastewater services. **The Water Financial Plan has been provided to the Township.**
- The intent of the legislation is for:
 1. municipalities to project future activities for capital (including inventory renewal), operating, reserves and customers (and usage) and then
 2. report it to the Province in PSAB 3150 financial statement format (projected into the future)
- The O. Reg. 453/07 Study must be approved but the forecasted rates (i.e. beyond 2021) do not have to be approved at this time (may be reviewed in detail during next budget cycle)
- The Rate study provides the financial information on which the O. Reg. report has be prepared

Rate Study vs. O.Reg 453.07 Reporting Format



Significant Revision Areas	Rate Study	O.Reg 453.07 Financial Plan
Approach	"Modified Cash Basis"	"Full Accrual Basis"
Capital Requirements	Capital Forecast	Tangible Capital Assets
Previously acquired assets	Lifecycle Cost Analysis (Future Replacement)	Tangible Capital Assets (Historical Cost)
Debt Payments	Principal & Interest Expense	Interest Expense Principal: Debt reduction
Amortization	Not Applicable	Included in Operating Expenses
Reserve Transfers	Included as an expense	Part of "Accumulated Surplus"
Development Charge Reserve Fund Balances	Reserve Fund Continuity Schedule	Deferred Revenue



Next Steps

Township of West Lincoln

Matters for Council's Consideration



1. Consider the Capital and Operating Program;
2. Consider the Proposed Water Rates;
3. Consider the Proposed Wastewater Rates; and
4. Approve the Water Financial Plan.