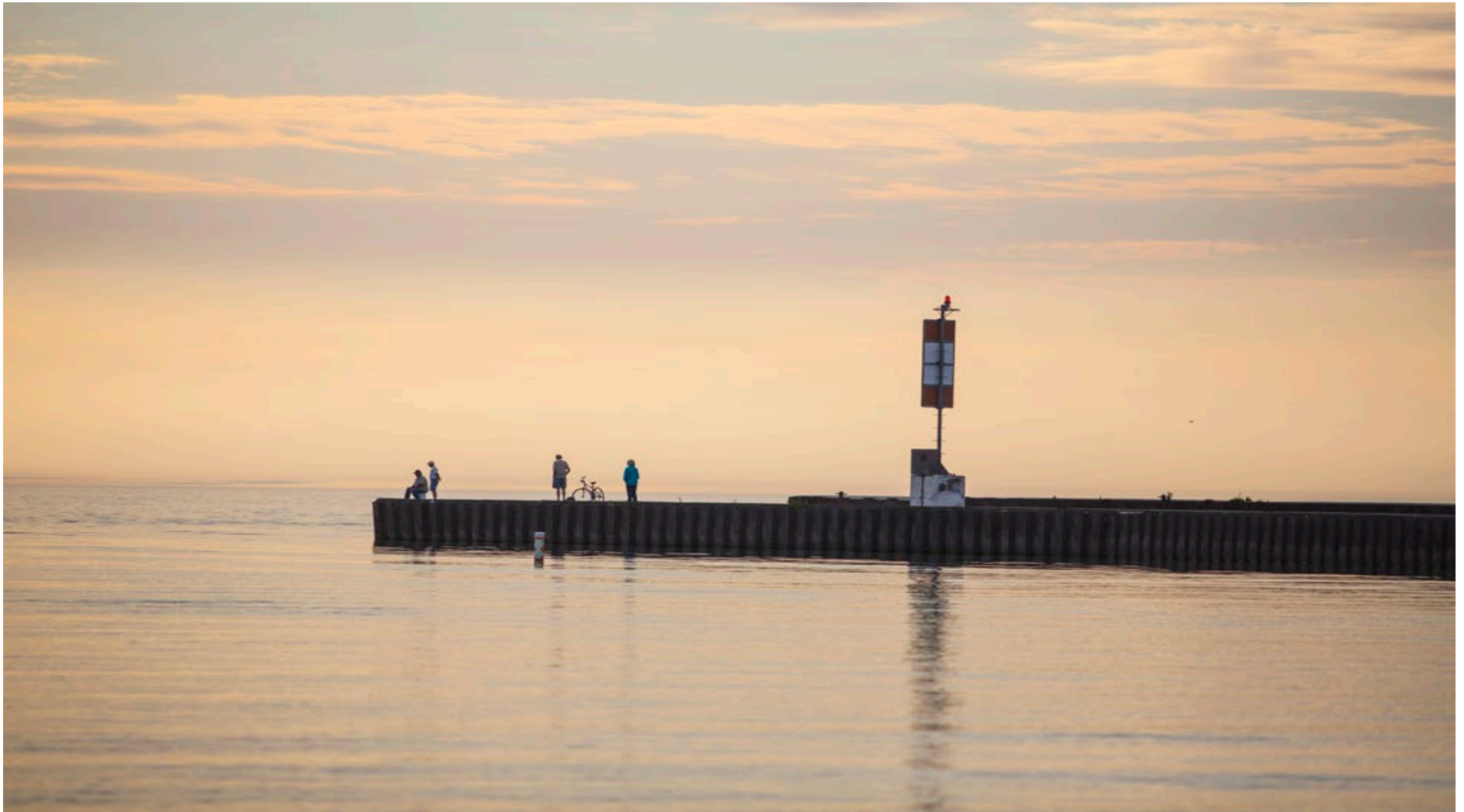


2024 Capital Budget

Municipality of Bluewater, Ontario

Municipality of
Bluewater

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Municipality of Bluewater

2024 Capital Budget

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The 2024 Capital Budget has been prepared by reviewing all the capital needs and prioritizing them on a number of conditions including health and safety, meeting regulatory requirements, operational conditions, and service level standards.

The 2024 Capital Budget includes projects totaling \$15,556,846. A summary of the capital budget can be seen below in Table 1.

Table 1: 2024 Capital Budget Summary

Tax Levy Supported	Requested	Grants	Debt	Vibrancy	Reserve/Reserve Fund	Total Funding
General Government	22,000	-	-	-	22,000	22,000
Fire	634,846	-	-	400,000	234,846	634,846
Roads	3,317,000	1,395,000	1,700,000	-	222,000	3,317,000
Fleet	450,000	-	-	202,500	247,500	450,000
Landfill	440,000	-	-	-	440,000	440,000
Facilities and Parks	729,000	22,500	-	220,000	486,500	729,000
Streetlights	34,000	-	-	-	34,000	34,000
Total Tax Levy Capital Request	\$ 5,626,846	\$ 1,417,500	\$ 1,700,000	\$ 822,500	\$ 1,686,846	\$ 5,626,846
Water & Sewer Rate Supported						
Water	600,000	-	-	-	600,000	600,000
Sewer	9,330,000	6,712,350	506,876	-	2,110,774	9,330,000
Total Water & Sewer Rate Supported Request	\$ 9,930,000	\$ 6,712,350	\$ 506,876	\$ -	\$ 2,710,774	\$ 9,930,000
Combined 2024 Capital Budget	\$ 15,556,846	\$ 8,129,850	\$ 2,206,876	\$ 822,500	\$ 4,397,620	\$ 15,556,846

**Increase to Reserve Contributions Required for Capital
Property Tax Funded Departments
Pre-2024 Budget Deliberation Revisions**

Department	2024	2025	2026	2027	2028
General Government & I.T.	2,000	3,000	5,000	18,000	15,000
Fire	190,000	101,000	227,000	110,000	(190,000)
Roads	100,820	1,163,000	2,095,000	(1,435,000)	-
Fleet	228,153	428,500	(165,000)	4,000	4,000
Landfill	828,072	(489,072)	25,000	(257,000)	-
Facilities & Parks	215,337	50,000	-	20,000	110,000
Total Increase to Reserve Contributions Required:	\$ 1,564,382	\$ 1,256,428	\$ 2,187,000	\$ (1,540,000)	\$ (61,000)
Estimated Tax Rate Increase Required to Fund Capital:	16.80%	13.49%	23.48%	-16.54%	-0.66%

**Increase to Reserve Contributions Required for Capital
Property Tax Funded Departments
Including 2024 Budget Deliberation Revisions**

Department	2024	2025	2026	2027	2028
General Government & I.T.	(22,000)	25,000	10,000	30,000	(3,000)
Fire	34,000	358,000	143,000	73,000	(224,000)
Roads	19,180	1,243,000	1,804,000	(1,216,000)	-
Fleet	25,653	630,000	(165,000)	5,000	4,000
Landfill	388,072	323,928	(345,000)	(259,000)	-
Facilities & Parks	(125,785)	461,122	-	-	-
Total Increase to Reserve Contributions Required:	\$ 319,120	\$ 3,041,050	\$ 1,447,000	\$ (1,367,000)	\$ (223,000)
Estimated Tax Rate Increase Required to Fund Capital:	3.43%	32.65%	15.54%	-14.68%	-2.39%

**2024
General
Government
Capital
Budget**



**General Government and I.T.
2024 Capital Budget Summary**

Project #	Project Name	Description	Justification	Proposed Budget
				\$
GG 24-01	Laptop Replacements	Replacing laptops that have reached the end of their lifespan, or purchasing new devices to meet current needs.	Staff laptops are nearing end of life, they are slow and some are not able to operate the programs we use.	22,000
Total Budget				22,000

**General Government and I.T.
2024 Capital Budget Summary**

Project #	Project Name	Funding Sources				Reserve for Equipment Replacement	Total Funding	Grant/Other Description
		Grants	Vibrancy	Other				
		\$	\$	\$	\$	\$		
GG 24-01	Laptop Replacements				22,000	22,000		
Total Budget		-	-	-	22,000	22,000		

**General Government and I.T.
2024 Four Year Capital Forecast**

Year	Project Name	Forecast Budget	Funding Sources		Total Funding	Grant/Other Description
			Grants	Reserve for Equipment Replacement		
		\$	\$	\$	\$	
2025	Laptop Replacements	22,000		22,000	22,000	
	Office Furniture	50,000		50,000	50,000	
Total		72,000	-	72,000	72,000	
2026	Laptop Replacements	22,000		22,000	22,000	
Total		22,000	-	22,000	22,000	
2027	Server	55,000		55,000	55,000	
	Laptop Replacements	22,000		22,000	22,000	
Total		77,000	-	77,000	77,000	
2028	Laptop Replacements	22,000		22,000	22,000	
Total		22,000	-	22,000	22,000	

**General Government and I.T.
Reserve for Equipment Replacement
2024 Five Year Reserve Forecast**

	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$
Projected Balance - Start of Year	69,524	47,524	524	13,524	1,524
Additions to Reserve					
Contributions from Operating Budget	-	25,000	35,000	65,000	62,000
Reductions in Reserve					
Estimated Carryforward Projects					
Capital Spending (from 5 Year Forecast)	(22,000)	(72,000)	(22,000)	(77,000)	(22,000)
Projected Balance - End of Year	47,524	524	13,524	1,524	41,524
Target Balance per Policy					
Annual forecast increase in operating reserve transfer %	-110%	10%	40%	85%	-5%
Annual forecast increase in operating reserve transfer \$ (rounded '000)	(\$22,000)	25,000	\$10,000	\$30,000	(\$3,000)

2024 Fire Capital Budget



**Fire
2024 Capital Budget Summary**

Project #	Project Name	Description	Justification	Proposed Budget
				\$
FD24-01	Brucefield Fire Hall Lot Paving	As per council decision this project was deferred to 2024 from 2023 at the Capital Budget Meeting on February 8, 2023.	To reduce the current amount of maintenance on the parking lot needed each year.	20,000
FD24-02*	Zurich Fire Pumper	Fire Pumper Truck.	The current pumper in service is a 2002 model. The fire underwriter survey recommends a 20 year life cycle for pumper trucks. Budget amount is for half the project, with remaining half to be funded in 2025.	400,000
FD24-03	Dashwood Tanker	Total cost of truck is \$697,056 - Bluewater's share is \$154,746.	As per Fire Agreement with South Huron (By-law 125-2022)	154,746
FD24-04	South Huron Radio Replacement	Figures provided by South Huron - Bluewater's share of expense as per agreement.	As per Fire Agreement with South Huron (By-law 125-2022)	12,924
FD24-05	South PPE Gear Dryer	Figures provided by South Huron - Bluewater's share of expense as per agreement.	As per Fire Agreement with South Huron (By-law 125-2022)	358
FD24-06	South Huron PPE Replacement	Figures provided by South Huron - Bluewater's share of expense as per agreement.	As per Fire Agreement with South Huron (By-law 125-2022)	5,918
FD24-07	Zurich Fire Hall paving	Paving in front of the truck bays.	To reduce the current amount of maintenance on the parking lot needed each year. Access to hydrant located in the area would be cleaner and safer.	9,000

* Note: Front line apparatus should be replaced on a maximum 20-year life cycle according to [Fire Underwriter Survey](#) and Annex D of the NFPA guidelines. Bluewater currently has 3 pumpers that exceed that recommendation and replacement should be considered.

**Fire
2024 Capital Budget Summary**

Project #	Project Name	Description	Justification	Proposed Budget
				\$
FD24-08	2024 Bunker Gear	Bunker Gear (5 sets)	Bunker gear needs to be replaced every 10 years to ensure firefighters have adequate working gear to respond to calls.	17,500
FD24-09	Radio's and Pagers	Radio's and Pagers	Ensure all radios and pagers are able to function with current communication equipment.	14,400
Total Budget				634,846

**Fire
2024 Capital Budget Summary**

Project #	Project Name	Funding Sources				Total Funding	Grant/Other Description
		Grants	Development Charges	Other	Fire Reserve		
		\$	\$	\$	\$	\$	
FD24-01	Brucefield Fire Hall Lot Paving				20,000	20,000	
FD24-02*	Zurich Fire Pumper			400,000		400,000	Proposed to be funded through Vibrancy Reserve Funds
FD24-03	Dashwood Tanker				154,746	154,746	
FD24-04	South Huron Radio Replacement				12,924	12,924	
FD24-05	South PPE Gear Dryer				358	358	
FD24-06	South Huron PPE Replacement				5,918	5,918	
FD24-07	Zurich Fire Hall paving				9,000	9,000	

**Fire
2024 Capital Budget Summary**

Project #	Project Name	Funding Sources				Total Funding	Grant/Other Description
		Grants	Development Charges	Other	Fire Reserve		
		\$	\$	\$	\$	\$	
FD24-08	2024 Bunker Gear				17,500	17,500	
FD24-09	Radio's and Pagers				14,400	14,400	
Total Budget		-	-	400,000	234,846	634,846	

**Fire
2024 Four Year Capital Forecast**

Year	Project Name	Forecast Budget	Funding Sources			Total Funding	Grant/Other Description
			Grants	Other	Fire Reserve		
		\$	\$	\$	\$	\$	
2025	Split from 2024: FD24-02 Zurich Fire Pumper	400,000		400,000		400,000	Vibrancy Reserve Funds
	Pumper Truck	1,000,000			1,000,000	1,000,000	
	Bunker Gear - 17 sets	56,100			56,100	56,100	
	Radio system upgrade	200,000			200,000	200,000	
Total		1,656,100	-	400,000	1,256,100	1,656,100	
2026	Bayfield Fire Hall	49,000			49,000	49,000	
	Brucefield Fire Hall	32,740			32,740	32,740	
	Bunker Gear - 7 sets	24,500			24,500	24,500	
	SCBA -40 set	800,926			800,926	800,926	
Total		907,166	-	-	907,166	907,166	
2027	Bunker Gear - 5 sets	17,500			17,500	17,500	
	Pumper Truck	1,000,000			1,000,000	1,000,000	
Total		1,017,500	-	-	1,017,500	1,017,500	
2028	Bunker Gear - 5 sets	17,500			17,500	17,500	
Total		17,500	-	-	17,500	17,500	

**Fire Reserve
2024 Five Year Reserve Forecast**

	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$
Projected Balance - Start of Year	333,848	467,002	4,902	34,736	27,236
Additions to Reserve					
Contributions from Operating Budget	346,000	571,000	714,000	786,000	786,000
Zurich Fire Hall Repayment	90,000	223,000	223,000	224,000	-
Reductions in Reserve					
Estimated Carryforward Projects	(68,000)				
Capital Spending (from 5 Year Forecast)	(234,846)	(1,256,100)	(907,166)	(1,017,500)	(17,500)
Operating Expenses from Reserve					
Projected Balance - End of Year	467,002	4,902	34,736	27,236	795,736

Target Balance per Policy

Annual forecast increase in operating reserve transfer %	8%	65%	25%	10%	-22%
Annual forecast increase in operating reserve transfer \$ (rounded '000)	34,000	358,000	143,000	73,000	(224,000)

2024 Roads Capital Budget



Roads
2024 Capital Budget Summary

Project #	Project Name	Description	Justification	Proposed Budget
				\$
RD24-01	Wildwood Line Paving	Paving of Wildwood Line from Mill Road to Northern limits. (2km)	Road section was identified for paving in 2020 through the 2019 roads needs study.	350,000
RD24-02	Richmond Street North East Reconstruction	Reconstruction of Richmond Street North east of Highway 4.	Road is in poor condition and reconstruction is identified in the 2019 roads needs study. Additionally, design was completed in 2023.	300,000
RD24-03	Capital Sidewalks	Misc. sidewalk replacement.	Sidewalk replacement required from infrastructure replacement and as identified through annual sidewalk inspections.	20,000
RD24-04	Dashwood Main Street Reconstruction (Sidewalks)	Bluewater share of the Dashwood Main Street Reconstruction project (sidewalks) being a joint project between Huron County, and South Huron.	Joint project allows for economies of scale, Bluewater sidewalk asset on Dashwood main street is in poor condition and requires replacement.	245,000
RD24-05	Public Works Shop Expansion	Expansion of Public Works Shop in Varna.	Zurich Fire Department space requirements resulted in public works giving up two bays at the Zurich Firehall. Additionally, the Hay Shop on Blind Line has reached the end of its useful life.	1,700,000

Roads
2024 Capital Budget Summary

Project #	Project Name	Description	Justification	Proposed Budget
				\$
RD24-06	Bridge B25 Replacement	Replacement of bridge structure on Ausable line located 250m south of County Road 84.	Bridge is identified for replacement as per 2021 OSIM inspections.	500,000
RD24-07	Wellington Street Hensall Reconstruction Preliminary Design.	Roads portion of the Engineering design of Wellington Street Hensall.	Road is in poor condition and reconstruction was recommended in 2020 in 2019 roads needs study.	20,000
RD24-08	Crest Road Improvements	Improvement of road surface and drainage on crest road.	Staff have received concerns from residents of poor road conditions after precipitation and thaw events.	22,000
RD24-09	Culvert Replacement (general)	Replacement of culverts.	The municipality annually identifies minor culverts that are in poor condition n require replacement.	30,000
RD24-10	Varna PW Shop, Fence on east side of property.	Installation of approximately 300' of Chain link fence with Privacy Slats along the east side of the public works yard.	Staff have had issues with trespassing and theft within the public works yard. Additionally, with the addition of proposed dog park on the septic bed of the Stanley complex staff feel delineation would be required for public safety as well as pet safety.	20,000
RD24-11	Bridge repair	Repairs to bridge structures as identified in the bridge inspection reports.	2023 bridge inspection recommendations within 1 year.	110,000
Total Budget				3,317,000

**Roads
2024 Capital Budget Summary**

Project #	Project Name	Funding Sources						Total Funding	Grant/Other Description
		Grants	Development Charge Debenture	Debenture	Lakeshore Reserve	Bridge Reserve	Roads Paving & Construction Reserve		
		\$	\$	\$	\$	\$	\$		
RD24-01	Wildwood Line Paving	350,000					-	350,000	OCIF
RD24-02	Richmond Street North East Reconstruction	300,000					-	300,000	OCIF
RD24-03	Capital Sidewalks						20,000	20,000	
RD24-04	Dashwood Main Street Reconstruction (Sidewalks)	245,000					-	245,000	OCIF
RD24-05	Public Works Shop Expansion		566,667	1,133,333			-	1,700,000	
RD24-06	Bridge B25 Replacement	500,000					-	500,000	CCBF

**Roads
2024 Capital Budget Summary**

Project #	Project Name	Funding Sources						Total Funding	Grant/Other Description
		Grants	Development Charge Debenture	Debenture	Lakeshore Reserve	Bridge Reserve	Roads Paving & Construction Reserve		
		\$	\$	\$	\$	\$	\$		
RD24-07	Wellington Street Hensall Reconstruction Preliminary Design.						20,000	20,000	
RD24-08	Crest Road Improvements						22,000	22,000	
RD24-09	Culvert Replacement (general)					30,000	-	30,000	
RD24-10	Varna PW Shop, Fence on east side of property.						20,000	20,000	
RD24-11	Bridge repair					110,000	-	110,000	
Total Budget		1,395,000	566,667	1,133,333	-	140,000	82,000	3,317,000	

Roads
2024 Four Year Capital Forecast

Year	Project Name	Forecast Budget	Funding Sources			Total Funding	Grant Desc.
			Grants	Bridges Reserve	Roads Paving & Construction Reserve		
		\$	\$	\$	\$	\$	
2025	Pushed from 2024: New Salt Dome	390,000			390,000	390,000	
	Pushed from 2024: Wellington Street Hensall Reconstruction - Full Design.	60,000			60,000	60,000	
	Road Paving (4km)	520,000	520,000		-	520,000	OCIF
	Sidewalk Replacement	31,000			31,000	31,000	
	Culvert Replacement	32,000		32,000		32,000	
	Salt Dome Construction	390,000			390,000	390,000	
	B62 Replacement	479,000	479,000		-	479,000	OCIF
	B12 Repair	562,000		562,000	-	562,000	
	B71 Replacement	410,000	250,000	160,000	-	410,000	CCBF
	Road Reconstruction Design (roads)	40,000			40,000	40,000	
	Bridge Repair	175,000		175,000		175,000	
Total		3,089,000	1,249,000	929,000	911,000	3,089,000	

**Roads
2024 Four Year Capital Forecast**

Year	Project Name	Forecast Budget	Funding Sources			Total Funding	Grant Desc.
			Grants	Bridges Reserve	Roads Paving & Construction Reserve		
2026	Road Paving (4km)	541,000	541,000		-	541,000	OCIF
	Sidewalk Replacement	32,000			32,000	32,000	
	Wellington Street, Hensall Reconstruction	1,670,000			1,670,000	1,670,000	
	King Street, Hensall Reconstruction (sidewalk)	240,000	240,000		-	240,000	OCIF
	B37 Structure Replacement	410,000	250,000		160,000	410,000	CCBF
	B38 Structure Replacement	400,000		400,000	-	400,000	
	Road Reconstruction	450,000			450,000	450,000	
	Culvert Replacement	34,000		34,000	-	34,000	
	Bridge Repairs	183,000		183,000	-	183,000	
	B76 Replacement	380,000		380,000	-	380,000	
	Road Reconstruction Design (roads)	45,000			45,000	45,000	
Total		4,385,000	1,031,000	997,000	2,357,000	4,385,000	

**Roads
2024 Four Year Capital Forecast**

Year	Project Name	Forecast Budget	Funding Sources			Total Funding	Grant Desc.
			Grants	Bridges Reserve	Roads Paving & Construction Reserve		
2027	Road Paving (4km)	563,000	563,000		-	563,000	OCIF
	Sidewalk Replacement	33,000			33,000	33,000	
	B73 Structure Replacement	375,000	256,000	119,000	-	375,000	CCBF
	Road Reconstruction	455,000	455,000		-	455,000	OCIF
	Culvert Replacement	36,000		36,000		36,000	
	Bridge Repairs	191,000		191,000		191,000	
	Road Reconstruction Design (Roads)	47,000			47,000	47,000	
Total		1,700,000	1,274,000	346,000	80,000	1,700,000	
2028	Road Reconstruction	460,000	256,000		204,000	460,000	CCBF
	Culvert Replacement	38,000		38,000		38,000	
	Road Reconstruction Design (Roads)	49,000			49,000	49,000	
	Sidewalk Replacement	34,000			34,000	34,000	
	Road Paving (4km)	586,000	586,000		-	586,000	OCIF
	Bridge Repairs	207,000		207,000	-	207,000	
Total		1,374,000	842,000	245,000	287,000	1,374,000	

**Roads
Roads Paving & Construction Reserve
2024 Five Year Reserve Forecast**

	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$
Projected Balance - Start of Year	934,659	464,342	506,342	176,342	907,342
Additions to Reserve					
Contributions from Operating Budget	70,000	563,000	2,027,000	811,000	811,000
Reductions in Reserve					
Estimated Carryforward Projects	(458,317)				
Capital Spending (from 5 Year Forecast)	(82,000)	(521,000)	(2,357,000)	(80,000)	(287,000)
Projected Balance - End of Year	464,342	506,342	176,342	907,342	1,431,342
Target Balance per Policy	At the discretion of Council.				
Annual forecast increase in operating reserve transfer %	-53%	704%	260%	-60%	0%
Annual forecast increase in operating reserve transfer \$ (rounded '000)	(79,180)	493,000	1,464,000	(\$1,216,000)	\$0

**Roads
Bridges/Roads Reserve
2024 Five Year Reserve Forecast**

	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$
Projected Balance - Start of Year	363,046	100,698	21,698	214,698	1,058,698
Additions to Reserve					
Contributions from Operating Budget	100,000	850,000	1,190,000	1,190,000	1,190,000
Reductions in Reserve					
Estimated Carryforward Projects	(222,348)				
Capital Spending (from 5 Year Forecast)	(140,000)	(929,000)	(997,000)	(346,000)	245,000
Projected Balance - End of Year	100,698	21,698	214,698	1,058,698	2,493,698
Target Balance per Policy	At the discretion of Council.				
Annual forecast increase in operating reserve transfer %		750%	40%	0%	0%
Annual forecast increase in operating reserve transfer \$ (rounded '000)	\$100,000	\$750,000	\$340,000	\$0	\$0

**Roads
Lakeshore Reserve
2024 Five Year Reserve Forecast**

	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$
Projected Balance - Start of Year	280,670	355,670	430,670	505,670	580,670
Additions to Reserve					
Contributions from Operating Budget	75,000	75,000	75,000	75,000	75,000
Reductions in Reserve					
Estimated Carryforward Projects					
Capital Spending (from 5 Year Forecast)	-	-	-	-	-
Projected Balance - End of Year	355,670	430,670	505,670	580,670	655,670
Target Balance per Policy	At the discretion of Council.				
Annual forecast increase in operating reserve transfer %	0%	0%	0%	0%	0%
Annual forecast increase in operating reserve transfer \$ (rounded '000)	\$0	\$0	\$0	\$0	\$0

2024 Fleet Capital Budget



**Fleet
2024 Capital Budget Summary**

Project #	Project Name	Description	Justification	Proposed Budget
				\$
FL24-01	Pickup Truck	Replacement of Vehicle 7073 being a 2012 Dodge Ram 1500.	Vehicle has exceeded useful life and has been scheduled for replacement in 2023.	56,000
FL24-02	Plow Truck	Replacement of vehicle 7019 being a 2006 International Tandem Plow Truck. Budget amount is for half the project, with remaining half to be funded in 2025.	Vehicle has exceeded useful life and requires replacement. Current lead time for plow trucks is 1.5 years.	202,500
FL24-03	Pickup Truck	Purchase of a 1 Ton Pickup to replace Vehicle 7001 (Water Truck) which was disposed of in 2023.	Vehicle was removed from service in 2023 and required replacement.	81,500
FL24-04	Loader Lease Buy-out	Buy-out of Equipment 7016 being a 2019 CAT 924K Wheel Loader.	Fleet Optimization: retaining this equipment in addition to leasing another loader in 2024 will allow staff to dispose of equipment 7024 being a 1995 Kubota and 7034 being a 2007 Case Wheel Loader.	110,000
Total Budget				450,000

**Fleet
2024 Capital Budget Summary**

Project #	Project Name	Funding Sources				Fleet - Equipment Reserve	Total Funding	Grant/Other Description
		Grants	Vibrancy	Other				
		\$	\$	\$	\$	\$		
FL24-01	Pickup Truck				56,000	56,000		
FL24-02	Plow Truck		202,500		-	202,500	Vibrancy Reserve Funds	
FL24-03	Pickup Truck				81,500	81,500		
FL24-04	Loader Lease Buy-out			25,000	85,000	110,000	Surplus revenue	
Total Budget		-	202,500	25,000	222,500	450,000		

**Fleet
2024 Four Year Capital Forecast**

Year	Project Name	Forecast Budget	Funding Sources			Total Funding
			Grants	Development Charges	Fleet - Equipment Reserve	
		\$	\$	\$	\$	\$
2025	Split from 2024: FL24-02 Plow Truck	202,500			202,500	202,500
	Pushed from 2024: Sidewalk Plow	200,000			200,000	200,000
	Pickup Truck	58,000			58,000	58,000
	Excavator	175,000			175,000	175,000
	Float Trailer for Excavator	50,000			50,000	50,000
	1 tonne Pickup Truck	82,000			82,000	82,000
Total		767,500	-	-	767,500	767,500
2026	Pickup Truck	60,000			60,000	60,000
	Plow Truck	420,000		315,000	105,000	420,000
	Municipal Office Vehicle	40,000			40,000	40,000
Total		520,000	-	315,000	205,000	520,000
2027	Pickup Truck	61,500			61,500	61,500
	Sidewalk Plow	210,000		157,500	52,500	210,000
	1 Tonne Pickup Truck	85,000			85,000	85,000
Total		356,500	-	157,500	199,000	356,500
2028	Pickup Truck	63,000			63,000	63,000
	Plow Truck	450,000			450,000	450,000
	1 Tonne Pickup Truck	89,000			89,000	89,000
Total		602,000	-	-	602,000	602,000

**Reserve for Fleet - Equipment
2024 Five Year Reserve Forecast**

	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$
Projected Balance - Start of Year	291,995	39,780	24,780	407,280	800,780
Additions to Reserve					
Contributions from Operating Budget - Roads	41,000	669,000	502,000	505,000	507,000
Contributions from Operating Budget - Facilities	81,500	83,500	85,500	87,500	89,500
Reductions in Reserve					
Estimated Carryforward Projects	(152,215)				
Capital Spending (from 5 Year Forecast)	(222,500)	(767,500)	(205,000)	(199,000)	(602,000)
Projected Balance - End of Year	39,780	24,780	407,280	800,780	795,280
Target Balance per Policy					
Annual forecast increase in operating reserve transfer %	21%	1530%	-25%	1%	1%
Annual forecast increase in operating reserve transfer \$ (rounded '000)	\$25,653	630,000	(\$165,000)	\$5,000	\$4,000

2024 Landfill Capital Budget



**Landfill
2024 Capital Budget Summary**

Project #	Project Name	Description	Justification	Proposed Budget
				\$
LF24-01	Stanley Landfill - Closure	Final cover (cap) of the landfill mound including shaping to approved countours. Budget amount is for half the project, with remaining half to be funded in 2025.	Landfill has reached capacity. Final cover required under Landfill ECA and Landfill Closure Plan.	440,000
Total Budget				440,000

**Landfill
2024 Capital Budget Summary**

Project #	Project Name	Proposed Budget	Funding Sources			Total Funding	Grant/Other Description
			Grants	Other	Waste Site Closure Costs Reserve		
		\$	\$	\$	\$	\$	
LF24-01	Stanley Landfill - Closure	440,000		120,000	320,000	440,000	Proceeds from sale of landfill compactor.
Total Budget		440,000	-	120,000	320,000	440,000	

**Landfill
2024 Four Year Capital Forecast**

Year	Project Name	Forecast Budget	Funding Sources		Total Funding	Grant/Other Description
			Grants	Waste Site Closure Costs Reserve		
		\$	\$	\$	\$	
2025	Split from 2024: LF24-01 Stanley Landfill Closure	440,000		440,000	440,000	
	Weigh Scale and Scale House	220,000		220,000	220,000	
Total		660,000	-	660,000	660,000	
2026	Curbside Collection Transfer Station (Coverall Building)	600,000		600,000	600,000	
Total		600,000	-	600,000	600,000	
2027						
Total		-	-	-	-	
2028						
Total		-	-	-	-	

**Landfill
Consolidated Waste Site Closure Costs Reserve
2024 Five Year Reserve Forecast**

	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$
Projected Balance - Start of Year	374,299	(0)	203,000	121,000	380,000
Additions to Reserve					
Contributions from Operating Budget	539,072	863,000	518,000	259,000	259,000
Reductions in Reserve					
Estimated 2022 Capital Projects					
Estimated Carryforward Projects	(473,372)				
Capital Spending (from 5 Year Forecast)	(440,000)	(660,000)	(600,000)	-	-
Projected Balance - End of Year	(0)	203,000	121,000	380,000	639,000
Annual forecast increase in operating reserve transfer %	39%	60%	-40%	-50%	0%
Annual forecast increase in operating reserve transfer \$ (rounded '000)	388,072	323,928	(345,000)	(259,000)	-

2024 Sanitary Sewer Capital Budget



**Sanitary Sewer
2024 Capital Budget Summary**

Project #	Project Name	Description	Justification	Proposed Budget
				\$
SS24-01	Bayfield Waste Water Treatment Plan (WWTP) Expansion	Expansion of the Bayfield Waste Water Treatment Plant facility.	The Bayfield Waste Water Treatment Plant is at its approved treatment capacity. Expansion of the facility.	9,195,000
SS24-02	Sanitary Sewer Capital Items	OCWA recommended capital items.	Capital items required for replacement.	100,000
SS24-03	Wellington Street Road Reconstruction Design - Sanitary	Sanitary element of the Wellington Street reconstruction design.	Infrastructure is past its useful life and requires replacement.	20,000
SS24-04	King Street, Hensall Reconstruction (Sanitary) - Design	Sanitary element of the King Street reconstruction design.	Infrastructure is past its useful life and requires replacement.	15,000
Total Budget				9,330,000

OCWA = Ontario Clean Water Agency

**Sanitary Sewer
2024 Capital Budget Summary**

Project #	Project Name	Proposed Budget	Funding Sources				Total Funding	Grant/Other Description
			Grants	Development Charge Debenture	Other	Sewer Reserve Fund		
		\$	\$	\$	\$	\$		
SS24-01	Bayfield Waste Water Treatment Plan (WWTP) Expansion	9,195,000	6,712,350	506,876	1,975,774		9,195,000	Housing Enabling Water Systems Funds. DC's on hand + Bayfield Expansion Funds
SS24-02	Sanitary Sewer Capital Items	100,000				100,000	100,000	
SS24-03	Wellington Street Road Reconstruction Design - Sanitary	20,000				20,000	20,000	
SS24-04	King Street, Hensall Reconstruction (Sanitary) - Design	15,000				15,000	15,000	
Total Budget		9,330,000	6,712,350	506,876	1,975,774	135,000	9,330,000	

**Sanitary Sewer
2024 Four Year Capital Forecast**

Year	Project Name	Forecast Budget	Funding Sources			Total Funding	Grant/Other Description
			Development Charge Debenture	Sewer Reserve	Sewer Reserve Fund		
		\$	\$	\$	\$	\$	
2025	OCWA Capital	100,000			100,000	100,000	
	Zurich Lagoon House - Concrete Floor Repair/ Replacement	8,000			8,000	8,000	
	Road Reconstruction (Sanitary)	35,000			35,000	35,000	
	Road Reconstruction (Sanitary) - Design	11,000			11,000	11,000	
					-	-	
Total		154,000	-	-	154,000	154,000	
2026	Door Replacement at Lagoon House and Wet Well Facilities (Multiple)	15,000			15,000	15,000	
	Hensall King Street Reconstruction (Sanitary Replacement)	100,000			100,000	100,000	
	OCWA Capital	100,000			100,000	100,000	
	Road Reconstruction (Sanitary)	40,000			40,000	40,000	
	Road reconstruction (Sanitary) - Design	12,000			12,000	12,000	
					-	-	
Total		267,000	-	-	267,000	267,000	

**Sanitary Sewer
2024 Four Year Capital Forecast**

Year	Project Name	Forecast Budget	Funding Sources			Total Funding	Grant/Other Description
			Development Charge Debenture	Sewer Reserve	Sewer Reserve Fund		
		\$	\$	\$	\$	\$	
2027	OCWA Capital	100,000			100,000	100,000	
	Road Reconstruction (Sanitary)	45,000			45,000	45,000	
	Road Reconstruction (Sanitary) - Design	13,000			13,000	13,000	
					-	-	
Total		158,000	-	-	158,000	158,000	
2028	OCWA Capital	100,000			100,000	100,000	
	Road Reconstruction (Sanitary)	50,000			50,000	50,000	
	Road Reconstruction (Sanitary) - Design	14,000			14,000	14,000	
					-	-	
					-	-	
Total		164,000	-	-	164,000	164,000	

OCWA = Ontario Clean Water Association

**Sanitary Sewer
Sewer Reserve Fund 3250
2023 Five Year Reserve Forecast**

	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$
Projected Balance - Start of Year	2,637,978	3,180,278	3,752,000	4,225,461	4,852,040
Additions to Reserve					
Billings to Reserve as per 2021-2027 Financial Plan	571,300	598,722	627,461	657,579	657,579
Zurich Arena Loan Repayment Estimated Interest (rounded '000)	106,000	127,000	113,000	127,000	146,000
Reductions in Reserve					
Estimated Carryforward Projects Capital Spending (from 5 Year Forecast)	(135,000)	(154,000)	(267,000)	(158,000)	(164,000)
Projected Balance - End of Year	3,180,278	3,752,000	4,225,461	4,852,040	5,491,619
Estimated Interest Rate	4%	4%	3%	3%	3%
Annual forecast increase in operating reserve transfer \$ (rounded '000)	(33,276)	27,422	\$28,739	30,118	-

2024 Water Capital Budget



**Water
2024 Capital Budget Summary**

Project #	Project Name	Description	Justification	Proposed Budget
				\$
WTR 23-01	Richmond Street North Reconstruction - Water	Water portion of the Richmond Street North Reconstruction Project.	Water infrastructure has exceeded asset life and required replacement.	100,000
WTR 23-02	Water Capital Items	OCWA Reccomended Capital Items.	Capital items required for replacement.	100,000
WTR 23-03	King Street, Hensall Reconstruction (Water) - Design	The county is tentatively planning King Street reconstruction for 2025.	Water infrastructure is in poor condition and currently not located within the road allowance. Aligning the asset replacement with the County's reconstruction schedule will allow for economies of scale and the opportunity to relocate the waterline within the road allowance.	50,000
WTR 23-04	Blind Line Watermain	Installation of new watermain to businesses along blind line.	Some properties are currently fed water from blind line shop well. The installation of a watermain along blind line would improve the current water quality to these properties as well as result in the ability for additional water capacity for these properties.	295,000
WTR 23-05	Lakeshore Distribution System - Twining - Design	Design for the installation of a secondary watermain along the highway 21 water main.	The current watermain is nearing its design capacity.	15,000
WTR 23-06	Wellington Street Reconstruction - Design (water)	Water portion of the Wellington Street Reconstruction Project.	Water infrastructure has exceeded asset life and required replacement.	20,000
WTR 23-06	Dashwood Main Street Water	Replacement and upsizing of Waterlines.	increase in line size for fire hydrant capacity.	20,000
Total Budget				600,000

**Water
2024 Capital Budget Summary**

Project #	Project Name	Proposed Budget	Funding Sources			Total Funding	Grant/Other Description
			Grants	Water Reserve	Water Reserve Fund		
		\$	\$	\$	\$		
WTR 23-01	Richmond Street North Reconstruction - Water	100,000			100,000	100,000	
WTR 23-02	Water Capital Items	100,000			100,000	100,000	
WTR 23-03	King Street, Hensall Reconstruction (Water) - Design	50,000			50,000	50,000	
WTR 23-04	Blind Line Watermain	295,000			295,000	295,000	
WTR 23-05	Lakeshore Distribution System - Twining - Design	15,000			15,000	15,000	
WTR 23-06	Wellington Street Reconstruction - Design (water)	20,000			20,000	20,000	
WTR 23-06	Dashwood Main Street Water	20,000			20,000	20,000	
Total Budget		600,000	-	-	600,000	600,000	

**Water
2024 Four Year Capital Forecast**

Year	Project Name	Forecast Budget	Funding Sources			Total Funding	Grant/Other Description
			Grants	Water Reserve	Water Reserve Fund		
		\$	\$	\$	\$	\$	
2025	OCWA Capital	100,000			100,000	100,000	
	Road Reconstruction - Design	11,000			11,000	11,000	
	Twinning Design	15,000			15,000	15,000	
	Road Reconstruction (water)	84,000			84,000	84,000	
Total		210,000	-	-	210,000	210,000	
2026	OCWA Capital	100,000			100,000	100,000	
	Road Reconstruction	87,500			87,500	87,500	
	Road Reconstruction 2027 - Design (water)	12,000			12,000	12,000	
	Hensall Main Street Reconstruction - water	600,000			600,000	600,000	
Total		799,500	-	-	799,500	799,500	
2027	Road Reconstruction (Water)	90,000			90,000	90,000	
	Road Reconstruction 2028 - Design (water)	13,000			13,000	13,000	
	OCWA Capital	100,000			100,000	100,000	
Total		203,000	-	-	203,000	203,000	
2028	Road Reconstruction (Water)	93,000			93,000	93,000	
	Road Reconstruction 2028 - Design (water)	14,000			14,000	14,000	
	OCWA Capital	100,000			100,000	100,000	
		207,000	-	-	207,000	207,000	

Water
Water Reserve Fund 3260
2024 Five Year Reserve Forecast

	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$
Projected Balance - Start of Year	4,911,258	3,212,917	3,980,233	4,221,007	5,060,419
Additions to Reserve					
Billings to Reserve as per 2021-2027 Financial Plan	816,499	848,316	881,274	915,412	915,413
Estimated Interest (rounded '000)	196,000	129,000	159,000	127,000	152,000
Reductions in Reserve					
Estimated Carryforward Projects	(2,110,840)				
Capital Spending (from 5 Year Forecast)	(600,000)	(210,000)	(799,500)	(203,000)	(207,000)
Projected Balance - End of Year	3,212,917	3,980,233	4,221,007	5,060,419	5,920,832
Target Balance per Policy					
Estimated Interest Rate	4%	4%	4%	3%	3%
Annual forecast increase in operating reserve transfer \$ (rounded '000)	(\$28,731)	\$31,817	\$32,958	\$34,138	-

2024 Facilities And Parks Capital Budget



Photo Credit: Erin Samuel

**Facilities and Parks
2024 Capital Budget Summary**

Project #	Project Name	Description	Justification	Proposed Budget
				\$
FAC24-01	Zurich Arena Compressor Overhaul	Compressor 2 requires routine major overhaul.	Compressors require routine maintenance to ensure longevity of the unit. Major overhauls required after 12,000 run hours.	9,500
FAC24-02	Zurich Arena Floor Scrubber	Zurich Arena floor scrubber replacement.	Unit passed its useful life expectancy and in poor condition.	12,000
FAC24-03	Hensall Arena Reciprocating Compressor and Motor (2) Replacement	Supply and installation of one Mycom N6WA and one Mycom N4WA compressors. Includes oil separators and liquid drainers, TSSA inspections and approvals.	The compressors are considered to be passed their expected useful life and in poor condition and are due for replacement. New compressors will increase efficiency and reduce costs to operate.	95,000
FAC24-04	Hensall Ice Rink LED Lighting Upgrade	The interior lighting in the ice rink and its support spaces consists of suspended troffers that require replacement.	Lights in fair condition and past their useful life expectancy. It is recommended that the lighting be upgraded to LED to improve energy saving and illumination quality.	37,000
FAC24-05	Hensall Ball Diamond Light Replacement	Replace lighting fixtures on diamond light standards, one diamond of lights to be replaced in Hensall. NOTE: The scope of this lighting replacement will improve the lighting overall, but will not meet IES standards.	Current lighting is inadequate and unsafe. Complaints are being received by user groups.	65,000
FAC24-06	Hensall Library Foundation Repair	The foundations are comprised of a combination of poured concrete and brick masonry foundations below grade. General repairs and parging work required on interior and exterior foundation.	Deteriorated sections on interior and exterior require re-setting of brick masonry and patch repair as recommended by BMRoss structural assessment in 2023.	13,000
FAC24-07	Hensall Library Upper Floor System Repair	The floor system supporting the upper floors, including the second floor, mezzanine, and the attic space, is comprised of a wood-framed floor system consisting of wood joists and perpendicularly laid subflooring that require some repair work.	The floor systems supporting the upper floor were observed to be in fair condition, with deterioration noted. It is recommended that the wood floor system be repaired to ensure continuous functionality.	12,500

**Facilities and Parks
2024 Capital Budget Summary**

Project #	Project Name	Description	Justification	Proposed Budget
				\$
FAC24-08	BFIT Capital Expenditure	Annual allowance for BFIT capital expenditure. Any unspent funds will be retained in its reserve.	Approved by Council as part of the Bayfield Community Complex Agreement. Agreement by-law 39-2020.	35,000
FAC24-09	Zurich Park Playground Replacement	Replacement of Zurich playground and surface.	Playground past its useful life. Some components have failed and have already been removed.	115,000
FAC24-10	Bayfield and Hensall Splash Pad Conversion	Bayfield & Hensall splash pad conversion from recirculating to flow through.	As per Council report on August 14, 2023, Council directed staff to convert the Bayfield and Hensall splash pads and conversion costs be added to the 2024 budget.	35,000
FAC24-11	Marina Fuel Tank Replacement	10,000L diesel and 10,000L gas single-walled underground fuel tanks installed in 1983 and require replacement with above ground tank.	Tanks past their useful life and require replacement. Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations do not permit single-walled underground units. Replacement recommended as soon as possible before remediation work required.	210,000
FAC24-12	Lake Access Stairs	Reoccurring capital budget line for lake access stair replacement. Any unspent funds will be moved to Reserve to accumulate for larger projects.	Aging stairs increase risk to the public.	40,000
FAC24-13	Zurich Arena Entrance Repair	Drainage work and asphalt patching/paving.	Lifecycle replacement, repair work needed at entrance where wear and tear most evident.	30,000
FAC24-14	Marina Office Structural Beam	Structural steel beam required to support Marina office.	Building has slanted over time and requires additional support.	10,000
FAC24-15	Dashwood Generator	The Dashwood Community Centre Advisory Committee has requested the purchase of a natural gas generator. Bluewater and South Huron pay 50% of cost.	Centre has been used and requested as a warming centre. Dashwood Community Centre Advisory Committee August 25, 2023 Meeting THAT a request be made to the Municipality of Bluewater Council for a natural gas generator to be added to the 2024 budget.	10,000
Total Budget	2024 Capital Budget	50	Municipality of Bluewater	729,000

**Facilities and Parks
2024 Capital Budget Summary**

Project #	Project Name	Funding Sources						Total Funding	Grant/ Other Description
		Grants	Vibrancy	Development Charges	Other	BFIT Reserve	Rec & Park Reserve for Contingency		
		\$	\$	\$	\$	\$	\$		
FAC24-01	Zurich Arena Compressor Overhaul						9,500	9,500	
FAC24-02	Zurich Arena Floor Scrubber						12,000	12,000	
FAC24-03	Hensall Arena Reciprocating Compressor and Motor (2) Replacement						95,000	95,000	
FAC24-04	Hensall Ice Rink LED Lighting Upgrade	22,500					14,500	37,000	Agri-Spirit Award already awarded to BW
FAC24-05	Hensall Ball Diamond Light Replacement		65,000				-	65,000	
FAC24-06	Hensall Library Foundation Repair						13,000	13,000	
FAC24-07	Hensall Library Upper Floor System Repair						12,500	12,500	
FAC24-08	BFIT Capital Expenditure					35,000	-	35,000	

**Facilities and Parks
2024 Capital Budget Summary**

		Funding Sources							
Project #	Project Name	Grants	Vibrancy	Development Charges	Other	BFIT Reserve	Rec & Park Reserve for Contingency	Total Funding	Grant/ Other Description
		\$	\$	\$	\$	\$	\$		
FAC24-09	Zurich Park Playground Replacement		115,000				-	115,000	
FAC24-10	Bayfield and Hensall Splash Pad Conversion						35,000	35,000	
FAC24-11	Marina Fuel Tank Replacement				210,000		-	210,000	Marina Reserve
FAC24-12	Lake Access Stairs		40,000				-	40,000	
FAC24-13	Zurich Arena Entrance Repair						30,000	30,000	
FAC24-14	Marina Office Structural Beam				10,000		-	10,000	Marina Reserve
FAC24-15	Dashwood Generator				10,000		-	10,000	Dashwood hydro electric fund
Total Budget	2024 Capital Budget	22,500	220,000	-	230,000	35,000	221,500	729,000	Municipality of Bluewater

**Facilities and Parks
2024 Four Year Capital Forecast**

Year	Project Name	Forecast Budget	Funding Sources				Total Funding
			Grants	Vibrancy	BFIT Reserve	Rec & Park Reserve for Contingency	
		\$	\$	\$	\$	\$	\$
2025	Pushed from 2024: Zurich Arena Radiant Tube Heater (4) Replacement	15,000				15,000	15,000
	Pushed from 2024: Hensall Arena Cabinetry Replacement	30,000				30,000	30,000
	Pushed from 2024: Hensall Arena, Pre-Heater Tank	14,000				14,000	14,000
	Pushed from 2024: Aluminum Bleachers Various Locations	13,000				13,000	13,000
	Pushed from 2024: Zurich Arena Flooring Replacement	75,000				75,000	75,000
	Hensall Arena Furnace (3) Replacement	35,000				35,000	35,000
	Zurich & Hensall Arena Main Fire Panel (2) Replacement	10,000				10,000	10,000
	Stanley Complex Window Replacement	40,000				40,000	40,000
	Hensall Library Carpet Replacement	22,000		22,000		-	22,000
	BFIT Capital Contribution	35,000			35,000	-	35,000
	Hensall Arena Condenser	100,000				100,000	100,000
	Zurich Arena Flooring Replacement - Dressing Rooms and Walkways	80,000				80,000	80,000
	Hensall Heritage Hall & Library - Re-insulate attic	10,000				10,000	10,000
	Water Access Strategy	60,000				60,000	60,000
	Zurich Arena Asphalt Parking Lot Resurface	200,000		200,000		-	200,000
Total		739,000	-	222,000	35,000	482,000	739,000

**Facilities and Parks
2024 Four Year Capital Forecast**

Year	Project Name	Forecast Budget	Funding Sources				Total Funding	Reserve/ Other Description
			Grants	Vibrancy	BFIT Reserve	Rec & Park Reserve for Contingency		
		\$	\$	\$	\$	\$	\$	
2026	Zurich Arena Emergency Lighting Replacement	30,000				30,000	30,000	
	Hensall Arena Radiant Tube Heater Replacement (3)	36,000				36,000	36,000	
	Hensall Arena Circulation Pump Replacement	10,000				10,000	10,000	
	Stanley Complex Exterior Door Replacement	12,000				12,000	12,000	
	Stanley Complex Community Centre Tile Replacement	10,000				10,000	10,000	
	Hensall Library Entrance Door Replacement	5,000				5,000	5,000	
	Hensall Library LED Lighting Upgrade	16,000				16,000	16,000	
	Houston Heights Pavilion Replacements (siding, soffits and fascia)	9,000				9,000	9,000	
	Municipal Office LED Lighting Upgrade (Interior & Exterior)	20,000				20,000	20,000	
	Zurich Arena Seasonal Controller	35,000				35,000	35,000	
	Stanley Complex Metal Siding Replacement	73,000				73,000	73,000	
	Hensall Arena Switchboard and Panel Board Replacement	43,000		43,000		-	43,000	
	Hensall Arena Distribution Transformer Replacement	8,000				8,000	8,000	
	Hensall Arena Seasonal Controller with panel and electrical panel	110,000				110,000	110,000	
	Houston Heights Pavilion Repairs/Replacements (service doors, metal partitions, distribution panel, LED Upgrades)	18,000				18,000	18,000	
	Kinsmen Pavilion Water Piping Replacement	5,000				5,000	5,000	
	Zurich Arena LED Lighting Upgrade (Community Centre & Ice Rink)	80,000		80,000		-	80,000	
Total		520,000	-	123,000	-	397,000	520,000	

**Facilities and Parks
2024 Four Year Capital Forecast**

Year	Project Name	Forecast Budget	Funding Sources				Total Funding	Reserve/ Other Description
			Grants	Vibrancy	BFIT Reserve	Rec & Park Reserve for Contingency		
		\$	\$	\$	\$	\$	\$	
2027	Hensall Arena Interior Door (24) Replacement	6,000				6,000	6,000	
	Hensall Community Centre Concrete Sealant Refinish	10,000				10,000	10,000	
	Hensall Arena Overhead Door Replacement	12,000				12,000	12,000	
	Hensall Arena Kitchen Upgrade	20,000				20,000	20,000	
	Stanley Complex Exit and Emergency Signage Replacement	17,000				17,000	17,000	
	Hensall Library Window Wall System Replacement	8,000				8,000	8,000	
	Building Condition Assessments for all facilities (should be operating budget)					-	-	
	Clan Gregor Square Playground Equipment	120,000		120,000		-	120,000	
	Zurich Arena Compressor 1 and 2	160,000				160,000	160,000	
	Clan Gregor Square Lamp Post Replacement and LED Upgrade	50,000				50,000	50,000	
	Varna Playground Replacement	90,000				90,000	90,000	
	Zurich Arena EPDM Roof Replacement (low slope roof over re Fridgeration room)	35,000				35,000	35,000	
Total		528,000	-	120,000	-	408,000	528,000	

**Facilities and Parks
2024 Four Year Capital Forecast**

Year	Project Name	Forecast Budget	Funding Sources				Total Funding	Reserve/ Other Description
			Grants	Vibrancy	BFIT Reserve	Rec & Park Reserve for Contingency		
		\$	\$	\$	\$	\$		
2028	Hensall Arena Brine Header, brine pump and concrete floor with rink board replacement	1,620,000		611,114		1,008,886	1,620,000	
	Zurich Arena Plate and Frame Chiller	100,000				100,000	100,000	
	Zurich Arena Condensor	125,000				125,000	125,000	
	Zurich Arena Brine Pump	20,000				20,000	20,000	
	Zurich Refrigeration Room Electrical Panel	75,000				75,000	75,000	
	Hensall Arena Exterior Aluminum Siding Replacement	66,000				66,000	66,000	
	Zurich Library Carpet Replacement	30,000				30,000	30,000	
	Clan Gregor Square Playground Equipment	120,000				120,000	120,000	
Total		2,156,000	-	611,114	-	1,544,886	2,156,000	

**Facilities and Parks
Rec & Park Reserve for Contingency
2024 Five Year Reserve Forecast**

	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$
Projected Balance - Start of Year	856,467	674,471	793,245	997,019	1,189,793
Additions to Reserve					
Contributions from Operating Budget	139,652	600,774	600,774	600,774	600,774
Reductions in Reserve					
Estimated 2022 Capital Projects					
Estimated Carryforward Projects	(100,149)				
Capital Spending (from 5 Year Forecast)	(221,500)	(482,000)	(397,000)	(408,000)	(1,554,152)
Projected Balance - End of Year	674,471	793,245	997,019	1,189,793	236,415
Balance is comprised of:					
General	11,129	11,017	95,905	169,793	106,415
Lake Access Stair	130,000	130,000	130,000	130,000	130,000
Hensall Arena Floor & Dressing Room	533,342	652,228	771,114	890,000	-
	674,471	793,245	997,019	1,189,793	236,415
Annual forecast increase in operating reserve transfer %	-90%	77%	0%	0%	0%
Annual forecast increase in operating reserve transfer \$ (rounded '000)	(125,785)	\$461,122	\$0	\$0	\$0

**Facilities and Parks
BFIT Reserve
2024 Five Year Reserve Forecast**

	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$
Projected Balance - Start of Year	4,115	4,115	4,115	4,115	4,115
Additions to Reserve					
Contributions from Operating Budget	35,000	35,000			
Reductions in Reserve					
Estimated 2022 Capital Projects					
Estimated Carryforward Projects					
Capital Spending (from 5 Year Forecast)	(35,000)	(35,000)	-	-	-
Projected Balance - End of Year	4,115	4,115	4,115	4,115	4,115
Annual forecast increase in operating reserve transfer %	-	-	-	-	-
Annual forecast increase in operating reserve transfer \$ (rounded '000)	-	-	-	-	-

**Facilities and Parks
Marina Reserve
2024 Five Year Reserve Forecast**

	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$
Projected Balance - Start of Year	95,452	452	5,452	10,452	15,452
Additions to Reserve					
Contributions from Operating Budget	125,000	5,000	5,000	5,000	5,000
Reductions in Reserve					
Estimated 2022 Capital Projects					
Estimated Carryforward Projects					
Capital Spending (from 5 Year Forecast)	(220,000)	-	-	-	-
Projected Balance - End of Year	452	5,452	10,452	15,452	20,452
Annual forecast increase in operating reserve transfer %	2400%	-96.00%		-	-
Annual forecast increase in operating reserve transfer \$ (rounded '000)	120,000	(120,000)	-	-	-

2024 Streetlights Capital Budget



**Streetlights
2024 Capital Budget Summary**

Project #	Project Name	Description	Justification	Proposed Budget
				\$
STL 23-01	Dashwood Main Street Street Lights	Street light arm upgrades and receptacle installation as part of Dashwood Main Street Reconstruction project. Bluewater share of 50% with south huron for main street streetlights.	Current light arms are not in compliance with current requirements. Festival hydro will be replacing the hydro poles as part of the reconstruction project. 50% f costs shared with South Huron.	13,000
STL 23-02	Bayfield Main Street - Decorative Christmas Lights	Purchase of 17 decorative Christmas lights for new streetlight posts on Bayfield main street.	Current decorative lighting in poor condition and available quantity not sufficient for the amount of light standards.	21,000
Total Budget				34,000

**Streetlights
2024 Capital Budget Summary**

Project #	Project Name	Proposed Budget	Funding Sources				Total Funding	Grant/Other Description
			Grants	Vibrancy	Other	Streetlight Reserve		
		\$	\$	\$	\$	\$		
STL 23-01	Dashwood Main Street Street Lights	13,000			7,778	5,222	13,000	Dashwood hydro electric fund
STL 23-02	Bayfield Main Street - Decorative Christmas Lights	21,000				21,000	21,000	
Total Budget		34,000	-	-	7,778	26,222	34,000	

The Municipality of Bluewater currently has external debt in the form of debentures owed to the Ontario Infrastructure Projects Corporation (OIPC) and a small amount of tile drain loans owed to the Ministry of Finance.

Existing Debentures

As of December 31, 2023, the Municipality expects to have outstanding debentures of \$12,366,174. The 2024 Debenture Schedule outlines the projected balance for those debentures at December 31, 2024 as well as the related projects.

2024 Debentures

The 2024 capital budget does propose to issue new debt. As noted in the 2024 capital projections provided in the 2023 budget, new debt is proposed for the Bayfield Waste Water Treatment Plant Expansion and the Public Works Shop Expansion. The 2024 capital budget has been developed assuming debt will be incurred for the Bayfield Waste Water Treatment Plant Expansion and Public Works Shop Expansion in 2024.

The Municipality also previously approved two projects for debenture: the Zurich Water Line and the Hensall Water Tower. The budget has assumed that the Zurich Water Line debenture will be issued in Q2 of 2024, with payments commencing in 2024. It has been assumed that the Hensall Water Tower debenture will be issued in 2024, with payments commencing in 2024.

The Municipality of Bluewater's debt servicing costs, as a percentage of net revenues, are not projected to exceed the provincial annual repayment limit of 25%.

Sources of Funding for Debentures

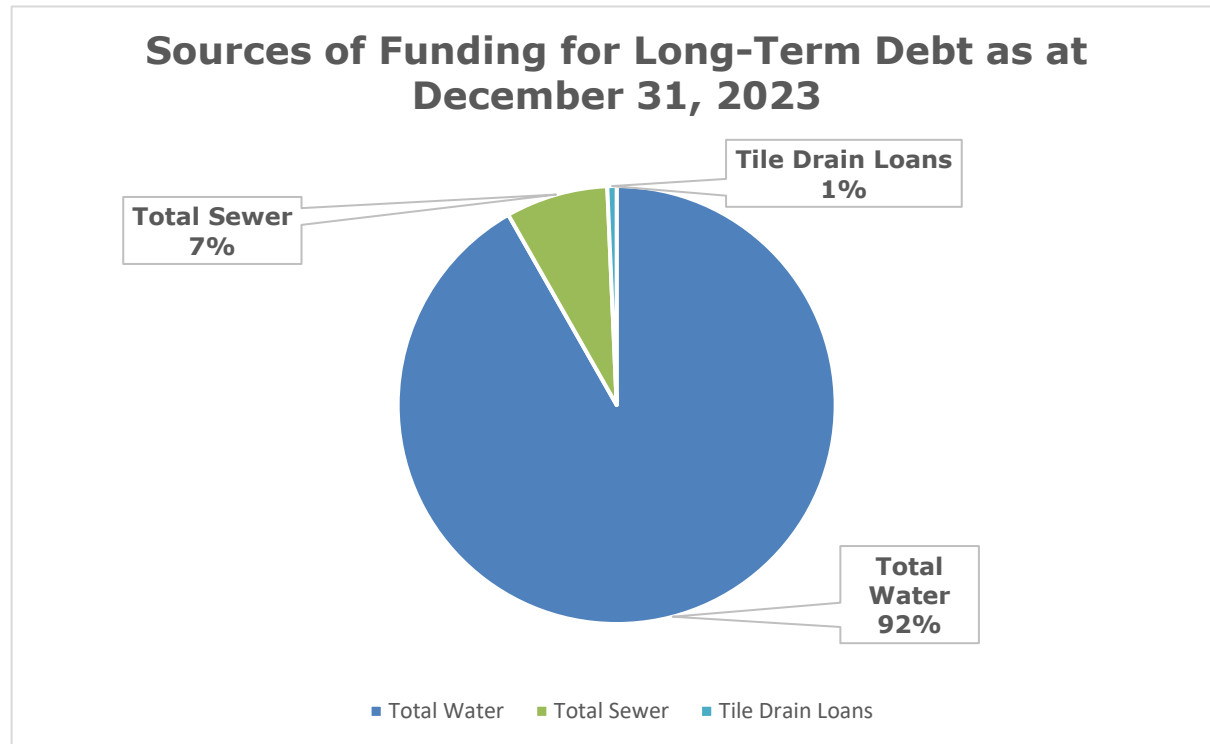
The Municipality of Bluewater uses different revenue sources to pay for the principal and interest payments on debentures.

Water Utility Debt is primarily paid for by recoveries and charges through taxation and the principal and interest payments, as well as the revenues called "debenture added to taxation" are included in Water operating budget. Debt incurred for the replacement of current assets is funded through the fees collected on the Utility bills.

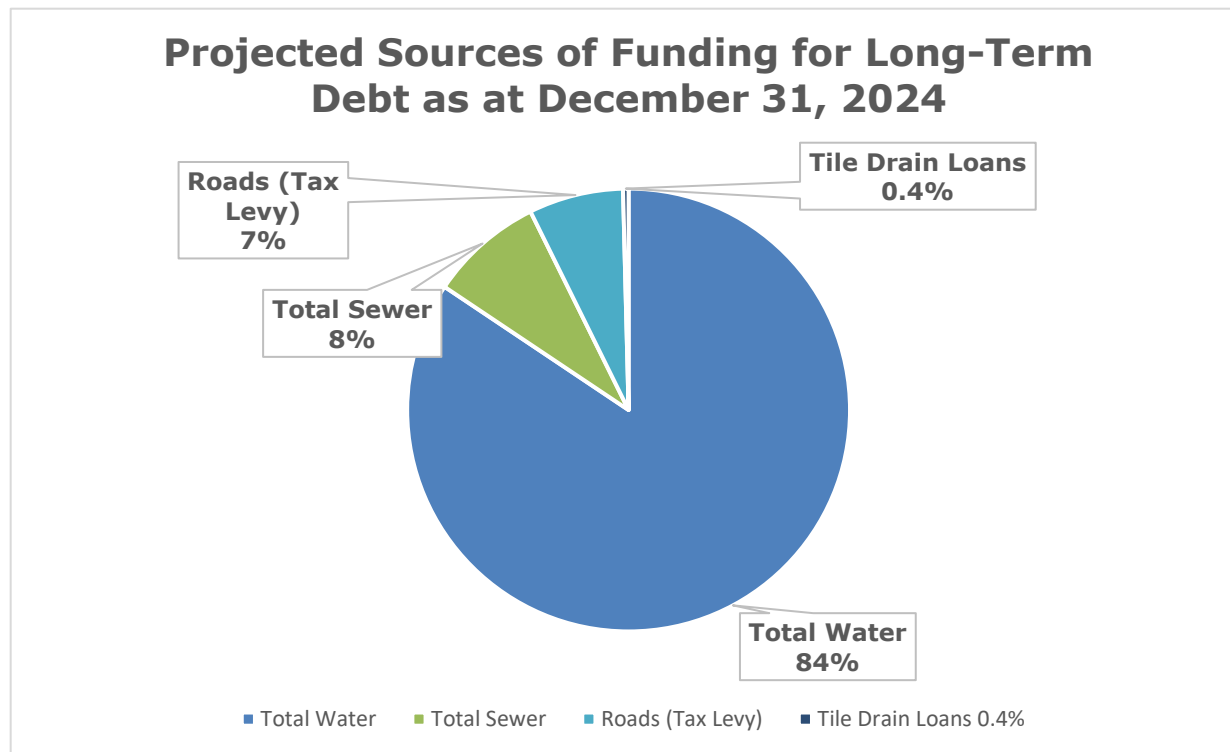
Wastewater Utility Debt is paid for by recoveries and charges through taxation and the principal and interest payments, as well as the revenues called "debenture added to taxation" are included in Sanitary Sewer operating budget.

Tile Drain Debt is paid for by the property owners and the principal and interest payments, as well as the revenues called "debenture recovery" are included in the Culture, Planning and Development operating budget.

As of the beginning of 2024, no debentures will be paid for by the tax levy. \$11,347,037 or 92% of the existing debentures are for Water, \$934,300 or 8% of the existing debentures are for Sanitary Sewer, and \$84,838, or 1% of the existing debentures are for Tile Drain Loans. Total long-term debt is expected to be \$12,366,174 as of the beginning of 2024.



As of the end of 2024, no debentures will be paid for by the tax levy. Payments relating to the Public Works Shop Expansion are expected to begin in 2025, therefore payments will begin from the tax levy in 2025 due to this project. \$13,850,875, or 84% of the existing debentures are for Water, \$1,362,986 or 8% of the existing debentures are for Sanitary Sewer, \$1,133,333 or 7% of the existing debentures are for Roads (tax levy) and \$65,947, or 0.4% of the existing debentures are for Tile Drain Loans. Total long-term debt is expected to be \$16,413,141.



Long-term Debt and the Annual Repayment Limit

Provincial limits on municipal debt are set based on a maximum percentage of "own-source revenues" that may be used to service debt costs (e.g. interest and principal payments) on an annual basis. In Ontario, municipalities may incur long-term debt for municipal infrastructure as long as annual debt payments do not exceed 25% of "own-source" revenues without prior approval of the Local Planning Appeal Tribunal (LPAT). This is referred to as the Annual Repayment Limit (ARL). The ARL is essentially the maximum amount that a municipality can pay in principal and interest payments in the year for new long-term debt without first obtaining approval from LPAT.

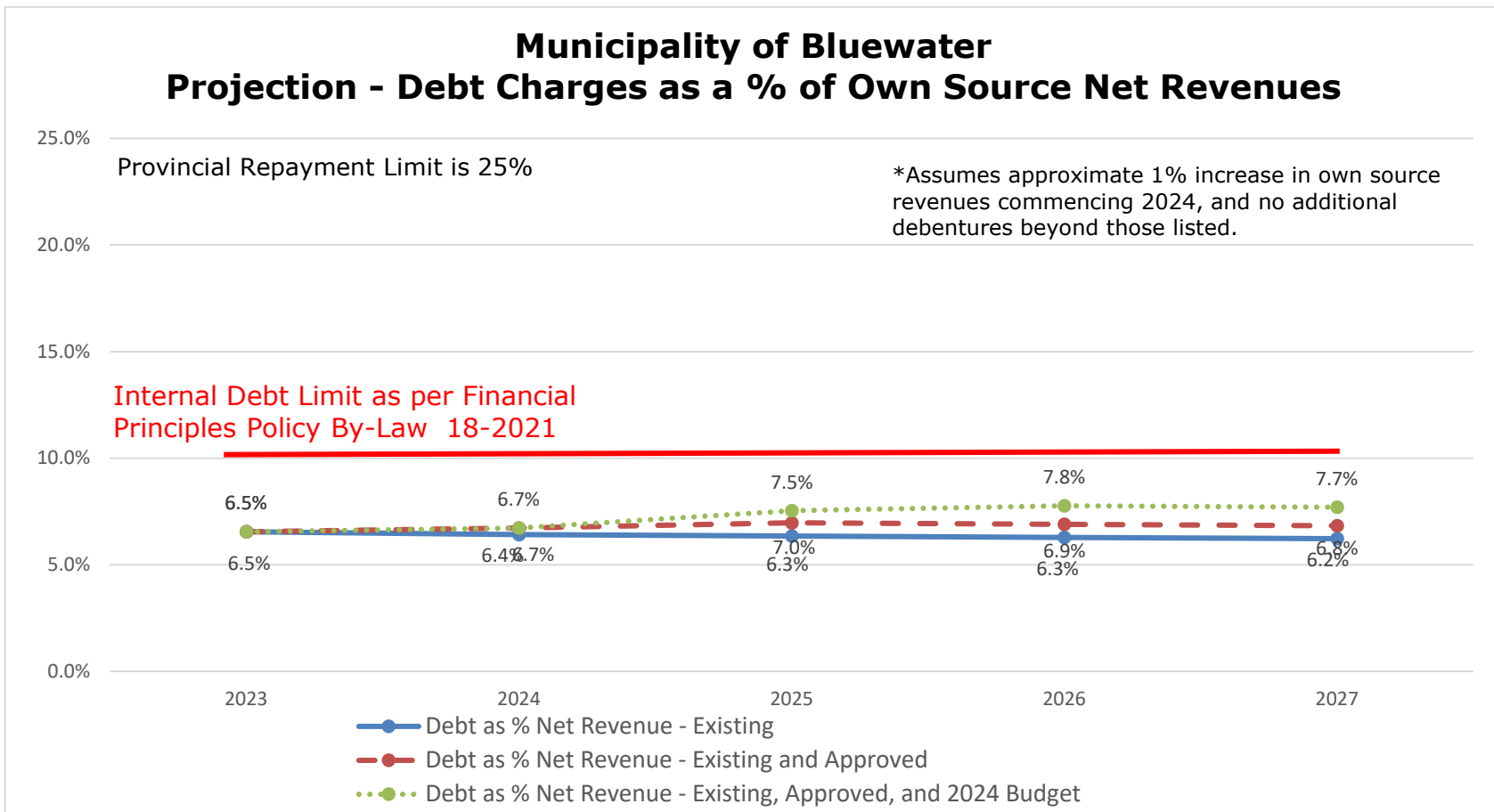
"Own-source" revenues (or "Net Revenues") are determined by the ministry and include items such as property taxes, user fees and investment income. It excludes revenue such as grants, gain/loss on sale of tangible capital assets, and revenue from obligatory reserve funds such as development charges and parkland dedication.

There are two important steps in the ARL process.

First, the Ministry of Municipal Affairs determines each municipalities' limit annually using a formula in the regulation based on the most recent Financial Information Return (FIR) available at that time. The Province provides an annual statement for municipalities known as the Annual Repayment Limit Statement, under *Ontario Regulation 403/02*, outlining the revenue and debt servicing calculations. It calculates 25% of annual "own-source" revenues, subtracts existing debt servicing costs, and the remaining amount is the estimated ARL.

The Municipality's 2023 Annual Repayment Limit Statement, which is based on the 2021 FIR, is included with this report. It shows the Municipality was using \$879,489, or 5.74% of Net Revenues to service debt. This calculation was based on existing revenue and debt at that time, and did not include future proposed debt. The estimated ARL, which is the additional amount of principal and interest payments the municipality could incur without LPAT approval, was just over \$2.9 million.

Second, according to Section 401(5) of the *Municipal Act*, the Council of the municipality shall have the Treasurer calculate an updated ARL for any additional approved debt payments and disclose it to Council before any new debt issuance is approved in order to assist Council with decisions regarding capital programs and debt. The ARL must also be updated prior to the undertaking of significant lease agreements, contractual obligations, or liabilities for which payment will be required beyond the term of the present Council. A projected update of the ARL is presented below.



This projection is based on a number of assumptions based on the best information available at this time. For 2023, the estimated net revenues are taken from the 2021 FIR based on the results of the 2023 Annual Repayment Limit Statement. Interest rates on debt are estimated at 6%. The projection assumes a half-year principal and interest payment in the year the debenture is issued, and that the debenture is issued in the year subsequent to the budget approval year. A 1% increase in own source revenues is assumed each year.

The dotted line at the top of the graph is a projection of debt as a percentage of net revenues if the 5-year budget forecast were carried out in the future. This is provided for information purposes, the Treasurer recommends grants, and other sources of funding as an alternative to debt wherever possible.

In 2021, Bluewater Council approved the Corporate Financial Principles Policy, By-Law 18-2021, which provides strategic direction and guidance to Council and staff when evaluating corporate financial decisions. The policy includes an internal debt limit, which is lower than the provincial limit, of 10%. This limit is also depicted on the graph. The Corporate Financial Principles Policy also establishes principles related to debt, including:

Principle #2: Maximum debt load of 25% of annual debt repayments from general rate payers.

Principle #3: Debt financing is a last resort for one-time projects where insufficient life cycle costing funds are unavailable.

Principle #4: Debt charges to gross current expenditures not to exceed 15%.

Principle #5: Debt per capita not to exceed \$400 per capita.

2022 ANNUAL REPAYMENT LIMIT

(UNDER ONTARIO REGULATION 403 / 02)

MMAH CODE:	52406		
MUNID:	40010		
MUNICIPALITY:	Bluewater M		
UPPER TIER:	Huron Co		
REPAYMENT LIMIT:		\$	2,846,601

The repayment limit has been calculated based on data contained in the 2020 Financial Information Return, as submitted to the Ministry. This limit represents the maximum amount which the municipality had available as of December 31, 2020 to commit to payments relating to debt and financial obligation. Prior to the authorization by Council of a long term debt or financial obligation, this limit must be adjusted by the Treasurer in the prescribed manner. The limit is effective January 01, 2022

FOR ILLUSTRATION PURPOSES ONLY,

The additional long-term borrowing which a municipality could undertake over a 5-year, a 10-year, a 15-year and a 20-year period is shown.

If the municipalities could borrow at 5% or 7% annually, the annual repayment limits shown above would allow it to undertake additional long-term borrowing as follows:

5% Interest Rate			
(a)	20 years @ 5% p.a.	\$	35,474,944
(a)	15 years @ 5% p.a.	\$	29,546,748
(a)	10 years @ 5% p.a.	\$	21,980,700
(a)	5 years @ 5% p.a.	\$	12,324,294
7% Interest Rate			
(a)	20 years @ 7% p.a.	\$	30,156,934
(a)	15 years @ 7% p.a.	\$	25,926,599
(a)	10 years @ 7% p.a.	\$	19,993,336
(a)	5 years @ 7% p.a.	\$	11,671,627

DETERMINATION OF ANNUAL DEBT REPAYMENT LIMIT

(UNDER ONTARIO REGULATION 403/02)

MUNICIPALITY:

Bluewater M

MMAH CODE:

52406

Debt Charges for the Current Year

		1
		\$
0210	Principal (SLC 74 3099 01)	411,822.
0220	Interest (SLC 74 3099 02)	506,600
0299	Subtotal	918,422
0610	Payments for Long Term Commitments and Liabilities financed from the consolidated statement of operations (SLC 42 6010 01)	0.
9910	Total Debt Charges	918,422

Amounts Recovered from Unconsolidated Entities

		1
		\$
1010	Electricity - Principal (SLC 74 3030 01)	0.
1020	Electricity - Interest (SLC 74 3030 02)	0.
1030	Gas - Principal (SLC 74 3040 01)	0.
1040	Gas - Interest (SLC 74 3040 02)	0
1050	Telephone - Principal (SLC 74 3050 01)	0.
1060	Telephone - Interest (SLC 74 3050 02)	0.
1099	Subtotal	0
1410	Debt Charges for Tile Drainage/Shoreline Assistance (SLC 74 3015 01 + SLC 74 3015 02)	38,899.
1411	Provincial Grant funding for repayment of long term debt (SLC 74 3120 01 + SLC 74 3120 02)	0.
1412	Lump sum (balloon) repayments of long term debt (SLC 74 3110 01 + SLC 74 3110 02)	0.
1420	Total Debt Charges to be Excluded	38,899
9920	Net Debt Charges	879,523

		1
		\$
1610	Total Revenue (SLC 10 9910 01)	17,241,451
Excluded Revenue Amounts		
2010	Fees for Tile Drainage / Shoreline Assistance (SLC 12 1850 04)	8,456
2210	Ontario Grants, including Grants for Tangible Capital Assets (SLC 10 0699 01 + SLC 10 0810 01 + SLC10 0815 01)	2,218,148.
2220	Canada Grants, including Grants for Tangible Capital Assets (SLC 10 0820 01 + SLC 10 0825 01)	45,447.
2225	Deferred revenue earned (Provincial Gas Tax) (SLC 10 830 01)	0
2226	Deferred revenue earned (Canada Gas Tax) (SLC 10 831 01)	0
2230	Revenue from other municipalities including revenue for Tangible Capital Assets (SLC 10 1098 01 + SLC 10 1099 01)	36,833.
2240	Gain/Loss on sale of land & capital assets (SLC 10 1811 01)	0
2250	Deferred revenue earned (Development Charges) (SLC 10 1812 01)	0.
2251	Deferred revenue earned (Recreation Land (The Planning Act)) (SLC 10 1813 01)	0
2252	Donated Tangible Capital Assets (SLC 53 0610 01)	0.
2253	Other Deferred revenue earned (SLC 10 1814 01)	0.
2254	Increase / Decrease in Government Business Enterprise equity (SLC 10 1905 01)	0.
2255	Other Revenue (SLC 10 1890 01 + SLC 10 1891 01 + SLC 10 1892 01 + SLC 10 1893 01 + SLC 10 1894 01 + SLC 10 1895 01 + SLC 10 1896 01 + SLC 10 1897 01 + SLC 10 1898 01)	28,070
2299	Subtotal	2,336,954
2410	Fees and Revenue for Joint Local Boards for Homes for the Aged	0
2610	Net Revenues	14,904,497
2620	25% of Net Revenues	3,726,124
9930	ESTIMATED ANNUAL REPAYMENT LIMIT	2,846,601
		(25% of Net Revenues less Net Debt Charges)

* SLC denotes Schedule, Line Column.