

City of Thorold
GENERAL EQUIPMENT REPLACEMENT CONTRIBUTION
 2025-2034

Department	Total Equip Replacement Value	Est Replacement Contribution Budget 2024	Replacement Provision (Years) 2024	Target Provision (Years) 2024	Target Replacement Contribution	Add'l Replacement Contribution Required
By-law	\$200,000	\$14,226	14	7	\$28,550	\$14,324
Arena	\$1,008,400	\$54,542	18	13	\$78,181	\$23,639
Parks & Cemetery	\$1,978,100	\$61,561	32	8	\$240,519	\$178,958
Public Works	\$5,977,900	\$322,995	19	9	\$659,227	\$336,232
Fire	\$10,685,000	\$185,250	58	17	\$626,000	\$440,750
<i>Subtotal - levy funded</i>	<i>\$19,849,400</i>	<i>\$638,574</i>	<i>31</i>	<i>12</i>	<i>\$1,632,476</i>	<i>\$993,902</i>
Building	\$210,000	\$30,000	7	7	\$30,000	\$0
Total	\$20,059,400	\$668,574	30	12	\$1,632,476	\$993,902

Estimated Useful Life: Years

Walk Behind Mowers	5
Off-Road Mowers	7
Cars, Pick Up Trucks	7
Heavy PW Equipment	10
Tractors, Backhoes	12
Pumpers, Aerial Tankers	20

City of Thorold
 Equipment Replacement Reserve Forecast
 (Exclude building to be funded from Building R
 2025-2034

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
BY-LAW	-	40,000	-	-	-	80,000	80,000	-	40,000	-
COMMUNITY SERVICES & PUBLIC WORKS	1,344,000	1,160,500	1,167,600	851,500	488,500	1,013,000	1,037,000	568,000	826,000	1,025,650
FIRE	1,200,000	730,000	520,000	750,000	180,000	60,000	650,000	90,000	3,180,000	-
TOTAL CITY VEHICLE & EQUIPMENT PURCHASE FORECAST	2,544,000	1,930,500	1,687,600	1,601,500	668,500	1,153,000	1,767,000	658,000	4,046,000	1,025,650
RESERVE CONTRIBUTION (based on 2024 draft less inflation)	703,640	689,567	675,776	662,260	649,015	636,035	623,314	610,848	598,631	586,658
Reserve Balance Projected Dec 31st	-766,507	-2,007,440	-3,019,264	-3,958,504	-3,977,988	-4,494,954	-5,638,640	-5,685,792	-9,133,161	-9,572,152

Purchases with Inflation	2,620,320	1,988,415	1,738,228	1,649,545	688,555	1,187,590	1,820,010	677,740	4,167,380	1,056,420
Reserve Balance Projected Dec 31st with projected inflation	-690,187	-1,949,525	-2,968,636	-3,910,459	-3,957,933	-4,460,364	-5,585,630	-5,666,052	-9,011,781	-9,541,383

City of Thorold
 Equipment Replacement Schedule
 FIRE
 2025-2034

Unit No.	Stn #	Rescue / Pumper #	Equipment	YEAR FOR REPLACEMENT											
				2025	2026	2027	2028	2029	2030	2031	2032	2033	2034		
52	1	car #2	2013 FORD Edge		80,000										
53	1	car #1	2018 Ford Interceptor SUV					80,000							
54	1	car #3	2019 Dodge Ram 1500					90,000							
125	1	utility #3	2023 Ford F 150 Truck										90,000		
32	1	rescue #1	2007 Ford F-550 light rescue			500,000									
116	1	pumper #1	2020 E-one pumper rescue												
21	2	aerial #2	2018 Rosenbauer aerial											3,000,000	
42	2	tanker #2	2011 Freightliner							650,000					
16	1	pumper #2	2009 Dependable / Spartan	1,200,000											
15	3	pumper #2	2006 Pierce (pumper/rescue)												
34	3	pumper #3	2019 HME mini pumper 4x4 crew												900,000
41	4	tanker #4	2005 Freightliner tanker		650,000										
33	4	rescue #4	2004 Freightliner FL70 rescue				750,000								
14	4	pumper #4	2002 Freightliner (pumper/tanker) Replace #14 2002 Freightliner												
			Rescue Boat Polar 75 Jaws Of Life			20,000				60,000					
125			2022 Ford Explorer ST										90,000		
				1,200,000	730,000	520,000	750,000	170,000	60,000	650,000	90,000	3,090,000	900,000		

City of Thorold
 Equipment Replacement Schedule
 BY-LAW
 2024-2033

ID No.	Equipment	YEAR FOR REPLACEMENT									
		2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
17	2015 Ford XLT pick up truck							40,000			
76	2017 Hyundai Elantra Sedan LE							40,000			
81	2019 Ford Escape SE		40,000							40,000	
	New vehicle						40,000				
	New vehicle - proposed PEO						40,000				
		-	40,000	-	-	-	80,000	80,000	-	40,000	

City of Thorold
 Equipment Replacement Schedule
 BUILDING
 2025-2034

ID No.	Equipment	YEAR FOR REPLACEMENT									
		2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
112	2021 Ford Edge				42,000						
113	2021 Ford Edge				42,000						
121	2022 Ford Edge					42,000					
122	2022 Ford Edge					42,000					
124	2022 Ford Edge						42,000				
		-	-	-	84,000	84,000	42,000	-	-	-	

City of Thorold
 Equipment Replacement Schedule
 COMMUNITY SERVICES & PUBLIC WORKS
 2025-2034

Dept ID No.	Equipment	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
DEPARTMENT: ARENA											
TRUCK											
#5	2012 Dodge 1500 Pick up	60,000							65,000		
#16	2013 CHEV Silverado	60,000							65,000		
ICE RESURFACERS											
	2008 Olympia		200,000								
	2022 Zamboni electric ice resurfacer										
SPECIALTY											
Legend:(NA)-New Arena ; (OA)-Old Arena											
	2017 Ford Tractor					5,000					
	salter for tractor										
	P.A. System										
	2008 Score Clock NA				25,000						
	1986 Score Clock OA		25,000								
	Ice Edger										
	Ice Edger										
	1998 Brine Chiller				30,000						
	1997 Brine Chiller			30,000							
	1996 60 HP Compressor 6 cyl		30,000								
	1992 100 HP Compressor 6 cyl										
	1997 Condenser(Heat Exchanger)			35,000							
	4-7.5 HP 550 Condensers										
ELECTRIC MOTORS											
	1999 60 HP 600 volt					8,000					
	1973 100 HP 600 volt										
	1973 15 HP 600 volt										
	1973 3 HP 600 volt (2)										
	1973 5 HP 600 volt (2)										
	1973 1/2 HP 110 volt (10)										
	1984 25 HP 600 volt										
	2000 Furnace										
	2000 Furnaces (2)										
	1990 Furnace & Airconditioner										
	Hot Water-storage tanks(3)										
	Infra Red Heaters(24)										
	1973 Pumps (2)										
	Humicons (4)										
	TORO 48" Walk Behind Mower										
	2018 Viper Floor Cleaning Machine	8,000									
	2020 Honda Walk Behind Snow Blower			6,000							
	1960 Receiver (Ammonia)										
Sub-total:ARENA		128,000	255,000	71,000	55,000	13,000	0	0	130,000	0	0

City of Thorold
 Equipment Replacement Schedule
 COMMUNITY SERVICES & PUBLIC WORKS
 2025-2034

Dept ID No.	Equipment	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
DEPARTMENT: PARKS & CEMETERY											
TRUCKS											
#1	2011 CHEV Silverado	60,000							65,000		
#4	2019 FORD F350 White dump					125,000					
#7	2013 GMC Sierra		60,000								
#9	2017 Dodge Ram 1500		60,000							65,000	
#10	2017 FORD F150 Pickup			60,000							65,000
#73	2008 FORD F-150 Pickup										
#79	2019 GMC Sierra GAZ Summit		60,000							65,000	
#80	2019 FORD Super DXL			70,000							75,000
#88	2019 FORD F150 4X4			60,000							65,000
	2022 Replace #73 2008 Ford F-150 with 1 ton dump										125,000
	2022 New Plow & Sander for 1 ton truck										20,000
	2024 Replace #8 2008 Ford F150 pickup							70,000			
OTHER											
#42	2018 20' FLATBED TRAILER						13,000				
#47	2017 UTILITY / LANDSCAPE TRAILER					13,000					
#75	2018 20' FLATBED TRAILER						13,000				
#91	2005 20' FLATBED TRAILER										
#115	2021 Kubota RTV-X1100C vehicle					30,000					
	2022 Replacement #57 john deere gator					50,000					
	2022 New grass crew trailer for truck #8 replacement								20,000		
TRACTORS/GRASS CUTTES											
#32	2016 New Holland						150,000				
#33	2006 JOHN DEERE 5325										
#34	2017 KUBOTA M7060HDCC1 TRACTOR										
#38	2007 STRONGCO 580M Backhoe	200,000									
MOWERS											
#50	2003 KUBOTA F2560				55,000						
#51	2013 KUBOTA F2560	50,000							55,000		
#52	2008 KUBOTA F2880					40,000					
	SWEEPING ATTACHMENT										
#53	2012 KUBOTA F3080						40,000				
#103	2019 KUBOTA ZD1211-60		26,500							32,000	
#104	2019 KUBOTA F2690		26,500							32,000	
#105	2019 KUBOTA B2650HSDC		26,500							32,000	
#114	2021 Kubota ZD1200-3 tractor				30,000						
#120	2021 Kubota F2690 tractor				30,000						

City of Thorold
 Equipment Replacement Schedule
 COMMUNITY SERVICES & PUBLIC WORKS
 2025-2034

Dept ID No.	Equipment	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
DEPARTMENT: PARKS & CEMETERY, CON'T											
MISCELLANEOUS											
8	WEEDEATERS		3,000		3,500		3,500	3,000			
4	MOWERS				2,000						
1	LAND PRIDE AERATOR 3 PT HITCH			0							
1	LAND PRIDE SCARIFIER					2,500					
	2019 BANNERMAN DIAMOND GROOMER		10,500								
2	WALK BEHIND SNOW BLOWER (John Deere)							4,000			
1	BOX BLADE				1,000						
2	CASKET LOWERING DEVICES (2)	12,000									
1	HONDA POWER WASHER		2,500								
	2011 Sidewalk Snow Removal Equipment										
	Sweeper Broom for Trackless Machine										
	Snowblower for Trackless Machine										
	Salter/Sander for Cemetery Snowplow						6,500				
	HONDA GENERATOR	2,000					2,000				
	HONDA ROTOTILLER			3,000							
	WATER PUMP	1,000		0							
1	MAUSOLEUM LIFTS		25,000								
1	GRASS ROLLER				5,000						
1	GAS SOD CUTTER										
1	SNOW BLOWER (KUBOTA)		7,000								
2	3PT HITCH	10,000									
2	TRAC VAC				5,000						
1	SNOWBLOWER 3 PT HITCH			0							
1	AUGER 3 PT HITCH			0							
1	HAY WAGON										
	2022 Replacement security cameras 3 - cemetery			15,000					15,000	0	
	2022 Replacement safety equipment for burials; shoring equipment			10,000					10,000	0	
	2022 Replacement 4 trimmers			3,000					3,000	0	
Sub-total: PARKS & CEMETERY		335,000	307,500	221,000	131,500	260,500	228,000	77,000	168,000	226,000	350,000

City of Thorold
 Equipment Replacement Schedule
 COMMUNITY SERVICES & PUBLIC WORKS
 2025-2034

Dept ID No.	Equipment	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
DEPARTMENT: PUBLIC WORKS											
VANS											
#70	2014 GMC 1-TON VAN							60,000			
#71	2012 CHEV EXPRESS CARGO VAN		60,000							65,000	
#72	2007 FORD Van	60,000							65,000		
#74	2015 Dodge Caravan Van		60,000							65,000	
#77	2018 GMC SAVANA CARGO VAN				60,000						
#85	2019 Dodge Ram promaster locate van		60,000							65,000	
	2022 New 3/4 ton cargo van					65,000					
TRUCKS											
#11	2013 Dodge Ram	60,000							65,000		
#12	2017 GMC-3500 Crew Cab Dump			125,000							125,000
#13	2014 Cheverolet Crew Cab Dump			\$125,000							125,000
#14	2012 DODGE 250 Crew Cab		60,000							\$65,000	
#18	2015 GMC 3500 Crew Cab Dump	125,000							125,000		
#27	2013 FORD F150 Pickup							75,000			
#82	2019 GMC Sierra Limited GAZ Summ					75,000					
Roadway & Air Temp Monitor System #19 and #27											
	2021 Replacement #15 pickup				75,000						
#109	2021 International HV607 4x2							255,000			
	2022 Replacement #19 2012 chev silverado					75,000					
Legend: S-Sander ; P-Plow											
#20	2019 INT Dump(S & P)				340,000						
#21	2018 Freightliner 108SD			340,000							
#22	2013 Freightliner Dump(S & P)		340,000								
#23	2012 INT Dump(S & P)-Tandem	400,000									425,000
#24	2010 INT Side Tilt Dump(S & P)										
	2021 Replace #26 S&P 5-ton truck with plow							340,000			
	2023 Replace #24 INT Side Tilt Dump (S&P)									340,000	
SPECIALTY											
#31	2007 John Deere Backhoe										
#31A	1990 Hoe Ram										
#31B	1990 Vibratory Plate						20,000				
#32	2008 CASE Loader Model 521	165,000									
#33	1987 CATERPILLAR 924H Loader (P) broom for CAT loader			165,000							
#86	2019 John Deere tractor with attachments						220,000				
#86 att	2021 John Deere tractor - plow winger salter							70,000			
#25	2019 Off-road snow removal vehicle with att (MT6-1787)							150,000			
#106	2020 TYMCO Streetsweeper						450,000				
#117	2021 Kubota with V plow 48" sander				50,000						
#118	2021 Kubota with sweeper 66"				50,000						
#119	2021 Kubota with V plow 48" sander				50,000						
	2022 Replace #29 1991 Ford indus tractor										

City of Thorold
 Equipment Replacement Schedule
 COMMUNITY SERVICES & PUBLIC WORKS
 2025-2034

Dept ID No.	Equipment	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
DEPARTMENT: PUBLIC WORKS											
Trailers											
48	2016 Steel Rods-Trailer (concrete saw/grinder)	10,000									
66	2019 utility landscape trailer		5,000								
84	2019 2019 Falcon 2 ton trailer - hot box										
85	2018 trailer road closure/signs										
108	2020 trailer valve turning machine			95,000							
	2021 Replace #38 single axle float trailer				20,000						
	2023 New Hot Box						80,000				
MISCELLANEOUS											
39	INGERSOLL RAND Roller										
42	1971 Air Compressor(I-Rand 150)	25,000									
43	1975 Breakers, 60 & 90 pounds	5,000									
45	1989 HG 30 Earth Boring Machine										
47	Rod Pusher-Main Sewer										
49	Sewer Machine, Rigid M/K 1500A-SE										
50	Steel Rods-Laterals										
51	Honda/Wsconsin Water Pumps (3)										
52	1500W Generator(4)										
53	Chain Saws (4)			600							650
54	Concrete Saw Target (2)			10,000							
55	SMALL Concrete Saw (3)		2,000					2,000			
56	Compactor-Vibratory Plate										
57	Cutting Torches-Arc Welder										
59	3 Point Hitch-9" Auger		5,000								
60	Concrete Mixer						5,000				
61	2002 EDCO scarifier/Sidewalk Grinder	20,000									
62	2012 Honda Snow Blower				5,000						
64	Steam Jenny Hydrants										
65	2007 Husquavama Concrete Saw										
	2023 Replace #65 Curb Cutting Saw with hydraulic saw						10,000				
83	2019 line painter		6,000								
	2014 Locate Machine Radiotection	6,000									
	2019 Locate Machine(Water dept)										
	2018 Wacker Trench Rammer	5,000									
	2007 Portable Flow Tester										
	2018 Rhino post driver										
	2018 total station GPS survey										
	2019 Rigid sewer drain machine										
	2011 Pjonjar sign Post Installer										
	2019 GPS units for vehicles										
	Grass Trimmer(2)										
	Power Washer										

City of Thorold
 Equipment Replacement Schedule
 COMMUNITY SERVICES & PUBLIC WORKS
 2025-2034

Dept ID No.	Equipment	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
DEPARTMENT: PUBLIC WORKS											
	2021 new post pounder							6,500			
	2021 20 Ton Jack (mechanic shop)							1,500			
	2021 #41 shoring materials replacement										
	2021 #44 sewer inspection camera replacement										
#111	2021 #40 brush trimmer replacement										
	2022 New generator for water dept										
	2022 New storage container										
	2022 Replacement 3 bar finder locaters										
	2022 New electric pump										
	2022 2 speed monitoring signs			15,000					15,000	0	
	2023 New hydraulic Jack Hammer				5,000						
	2023 New automotive codes scanner for Mechanic				10,000						
sub total: Public Works		881,000	598,000	875,600	665,000	215,000	785,000	960,000	270,000	600,000	675,650
Total Operations		\$1,344,000	\$1,160,500	\$1,167,600	\$851,500	\$488,500	\$1,013,000	\$1,037,000	\$568,000	\$826,000	\$1,025,650