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2022 Approved Capital Budget



SECTION A:

10 - Year Summary of Approved Capital Budget Expenditures and Funding Sources

Summary of Recommended Capital Budget Funding Sources and Expenditures - for Budget Year 2022 (10 Year Capital Plan)

Year		Service Sustainability Investments						Economic Development, Growth, Service Enhancements and Agencies, Boards & Committees						Total
		Service Sustainability Investments	Development Charge Reserves	Dedicated Reserves	Sewer Surcharge	Grants & Other	Canada Community-Building Fund	Pay As You Go	Development Charge Reserves	Dedicated Reserves	Sewer Surcharge	Grants & Other	Canada Community-Building Fund	
2022	Funding Available	41,774,696	117,500	15,228,900	35,420,624	6,081,898	19,148,287	36,234,462	2,386,876	8,467,376	6,292,596	3,856,995	7,871,775	182,881,985
	Less: Pre-Commitments & Placeholders	20,334,206	-	370,702	22,195,345	-	4,574,730	16,421,947	500,000	300,000	747,345	1,439,023	6,528,775	73,412,073
	Less: Funding allocated to (Recommended) Expenditures	21,440,490	117,500	14,858,198	13,225,279	6,081,898	14,573,557	19,812,515	1,886,876	8,167,376	5,545,251	2,417,972	1,343,000	109,469,912
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2023	Funding Available	44,567,596	5,000	16,832,700	34,411,595	4,276,384	13,480,630	32,702,431	3,297,000	5,668,706	3,776,346	2,071,578	895,000	161,984,966
	Less: Pre-Commitments & Placeholders	18,473,435	-	-	16,526,095	-	100,000	22,139,935	70,000	400,000	401,095	-	300,000	58,410,560
	Less: Funding allocated to (Recommended) Expenditures	26,094,161	5,000	16,832,700	17,885,500	4,276,384	13,380,630	10,562,496	3,227,000	5,268,706	3,375,251	2,071,578	595,000	103,574,406
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2024	Funding Available	53,047,809	5,000	17,315,300	32,285,305	5,343,777	12,183,000	28,902,191	9,717,000	5,208,706	5,902,868	2,313,146	1,593,000	173,817,102
	Less: Pre-Commitments & Placeholders	14,599,170	-	-	19,759,055	-	2,334,000	17,254,793	2,100,000	-	295,305	-	-	56,342,323
	Less: Funding allocated to (Recommended) Expenditures	38,448,639	5,000	17,315,300	12,526,250	5,343,777	9,849,000	11,647,398	7,617,000	5,208,706	5,607,563	2,313,146	1,593,000	117,474,779
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2025	Funding Available	54,350,916	5,000	7,949,000	33,823,904	7,005,834	11,554,800	32,529,448	6,758,100	6,709,866	4,364,217	2,730,157	2,221,200	170,002,442
	Less: Pre-Commitments & Placeholders	6,757,502	-	-	12,777,154	-	-	14,692,060	-	-	337,154	1,030,303	-	35,594,173
	Less: Funding allocated to (Recommended) Expenditures	47,593,414	5,000	7,949,000	21,046,750	7,005,834	11,554,800	17,837,388	6,758,100	6,709,866	4,027,063	1,699,854	2,221,200	134,408,269
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2026	Funding Available	53,820,200	94,950	8,729,000	35,177,624	3,727,382	10,914,000	32,929,800	8,307,513	5,958,706	3,010,501	1,525,294	2,862,250	167,057,220
	Less: Pre-Commitments & Placeholders	4,957,097	-	-	14,050,000	-	-	6,900,000	-	-	-	-	-	25,907,097
	Less: Funding allocated to (Recommended) Expenditures	48,863,103	94,950	8,729,000	21,127,624	3,727,382	10,914,000	26,029,800	8,307,513	5,958,706	3,010,501	1,525,294	2,862,250	141,150,123
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-

Summary of Recommended Capital Budget Funding Sources and Expenditures - for Budget Year 2022 (10 Year Capital Plan)

Year		Service Sustainability Investments						Economic Development, Growth, Service Enhancements and Agencies, Boards & Committees						Total
		Service Sustainability Investments	Development Charge Reserves	Dedicated Reserves	Sewer Surcharge	Grants & Other	Canada Community-Building Fund	Pay As You Go	Development Charge Reserves	Dedicated Reserves	Sewer Surcharge	Grants & Other	Canada Community-Building Fund	
2027	Funding Available	55,200,000	-	8,995,000	36,165,251	385,923	13,334,000	31,550,000	5,454,132	5,058,706	2,022,750	1,525,294	442,250	160,133,306
	Less: Pre-Commitments & Placeholders	2,400,000	-	-	23,001,701	-	-	10,576,723	-	-	-	-	-	35,978,424
	Less: Funding allocated to (Recommended) Expenditures	52,800,000	-	8,995,000	13,163,550	385,923	13,334,000	20,973,277	5,454,132	5,058,706	2,022,750	1,525,294	442,250	124,154,882
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2028	Funding Available	55,200,000	2,550,000	11,401,000	34,737,751	540,046	10,776,250	31,550,000	6,267,400	5,128,706	3,450,000	1,825,294	-	163,426,447
	Less: Pre-Commitments & Placeholders	26,000	-	-	18,537,751	-	-	7,483,649	-	-	-	-	-	26,047,400
	Less: Funding allocated to (Recommended) Expenditures	55,174,000	2,550,000	11,401,000	16,200,000	540,046	10,776,250	24,066,351	6,267,400	5,128,706	3,450,000	1,825,294	-	137,379,047
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2029	Funding Available	55,200,000	2,550,000	11,737,000	32,480,251	85,550	10,776,250	31,550,000	6,829,500	5,258,706	5,700,000	1,675,294	-	163,842,551
	Less: Pre-Commitments & Placeholders	-	-	-	13,587,751	-	-	-	-	-	-	-	-	13,587,751
	Less: Funding allocated to (Recommended) Expenditures	55,200,000	2,550,000	11,737,000	18,892,500	85,550	10,776,250	31,550,000	6,829,500	5,258,706	5,700,000	1,675,294	-	150,254,800
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2030	Funding Available	55,200,000	2,550,000	8,094,000	33,736,171	78,500	10,776,250	31,550,000	6,063,700	4,693,706	4,450,000	1,675,294	-	158,867,621
	Less: Pre-Commitments & Placeholders	-	-	-	16,987,751	-	-	-	-	-	-	-	-	16,987,751
	Less: Funding allocated to (Recommended) Expenditures	55,200,000	2,550,000	8,094,000	16,748,420	78,500	10,776,250	31,550,000	6,063,700	4,693,706	4,450,000	1,675,294	-	141,879,870
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-
2031	Funding Available	55,200,000	50,000	10,353,000	31,122,250	79,450	10,647,000	31,550,000	210,894	4,988,706	7,065,750	1,650,294	129,250	153,046,594
	Less: Pre-Commitments & Placeholders	-	-	-	12,000,000	-	-	-	-	-	-	-	-	12,000,000
	Less: Funding allocated to (Recommended) Expenditures	55,200,000	50,000	10,353,000	19,122,250	79,450	10,647,000	31,550,000	210,894	4,988,706	7,065,750	1,650,294	129,250	141,046,594
	Funding Surplus/(Deficit)	-	-	-	-	-	-	-	-	-	-	-	-	-

2022 Approved Capital Budget



SECTION B:

Summary of 10 – Year Approved Capital Budget and Prior Year Comparison

Summary of Recommended Capital Budget Funding and Expenditures - for Budget Year 2022 (10 Year Capital Plan)

Allocation of Available Funding - by Major Category:	2022	% of Budget	2023	% of Budget	2024	% of Budget	2025	% of Budget	2026	% of Budget	2027	% of Budget	2028	% of Budget	2029	% of Budget	2030	% of Budget	2031	% of Budget	TOTAL 2022 - 2031	% of Budget
Roads Infrastructure	46,827,691	26%	41,330,423	26%	51,159,848	29%	57,073,411	34%	56,622,626	34%	51,013,606	32%	51,565,000	32%	52,410,000	32%	52,689,680	33%	49,155,060	32%	509,847,345	31%
Sewers Infrastructure	51,041,219	28%	58,215,038	36%	56,252,092	32%	46,006,180	27%	38,591,818	23%	37,885,854	24%	43,087,797	26%	42,625,251	26%	42,606,491	27%	37,599,750	25%	453,911,490	27%
Transportation	18,853,103	10%	12,777,659	8%	17,456,860	10%	10,803,976	6%	14,008,838	8%	17,526,309	11%	19,794,032	12%	19,613,199	12%	15,762,308	10%	17,367,543	11%	163,963,827	10%
Parks & Recreation	25,198,814	14%	15,856,244	10%	17,168,109	10%	18,351,992	11%	16,391,225	10%	17,631,393	11%	13,210,618	8%	15,488,935	9%	13,394,096	8%	13,897,000	9%	166,588,426	10%
Corporate Property Infrastructure	11,300,704	6%	6,213,099	4%	10,757,800	6%	12,451,500	7%	12,871,000	8%	12,041,000	8%	12,941,000	8%	14,401,550	9%	15,362,046	10%	13,065,450	9%	121,405,149	7%
Corporate Technology	3,485,000	2%	3,646,000	2%	1,828,140	1%	4,226,696	2%	4,415,000	3%	5,034,473	3%	4,425,000	3%	5,270,000	3%	4,650,000	3%	3,890,000	3%	40,870,309	2%
Community & Economic Development	6,092,751	3%	15,507,751	10%	10,860,253	6%	8,204,384	5%	10,648,329	6%	10,584,671	7%	9,300,000	6%	4,750,616	3%	5,935,000	4%	8,538,791	6%	90,422,546	5%
Capital Reserve Replenishment	1,670,000	1%	1,670,000	1%	1,670,000	1%	1,670,000	1%	1,670,000	1%	1,670,000	1%	1,710,000	1%	1,710,000	1%	1,710,000	1%	1,710,000	1%	16,860,000	1%
Agencies, Boards and Committees (ABC's)	18,412,703	10%	6,768,752	4%	6,664,000	4%	11,214,303	7%	11,838,384	7%	6,746,000	4%	7,393,000	5%	7,573,000	5%	6,758,000	4%	7,823,000	5%	91,191,142	6%
Total Allocation of Available Funding	182,881,985	100%	161,984,966	100%	173,817,102	100%	170,002,442	100%	167,057,220	100%	160,133,306	100%	163,426,447	100%	163,842,551	100%	158,867,621	100%	153,046,594	100%	1,655,060,234	100%

Approved Capital Budget Summary Comparison: 2022 vs 2021

Allocation of Available Funding - by Major Category:	2022	2021	Change
Roads Infrastructure	46,827,691	50,265,478	(3,437,787)
Sewers Infrastructure	51,041,219	51,252,351	(211,132)
Transportation	18,853,103	14,476,025	4,377,078
Parks & Recreation	25,198,814	17,586,966	7,611,848
Corporate Property Infrastructure	11,300,704	11,414,601	(113,897)
Corporate Technology	3,485,000	5,641,500	(2,156,500)
Community & Economic Development	6,092,751	4,281,081	1,811,670
Capital Reserve Replenishment	1,670,000	3,450,000	(1,780,000)
Agencies, Boards and Committees (ABC's)	18,412,703	11,505,653	6,907,050
Total Allocation of Available Funding	182,881,985	169,873,655	13,008,330

On December 13, 2021, City Council approved both the 2022 Operating Budget (Council Resolution B27/2021, Report # C 181/2021) and the 2022 10-year Capital Budget (Council Resolution B28/2021, Report # C 176/2021). The 2022 10-year Capital Budget includes expenditures totalling \$1.7 billion. Capital projects and their identified 2022 funding recommendations, totalling \$182.9 million, have been approved. Projects and their recommended funding from 2023 through to 2031, unless previously committed, are approved in principle expenditures. As such, these projects are subject to potential changes during future capital budget development to address higher priority project requirements where necessary. The 2022 net Operating Budget totals \$438.1 million, and the gross totals \$887.2 million.

2022 Approved Capital Budget



SECTION C:

10 - Year Capital Project Listing by Major Category

City Of Windsor
Capital Project Listing By Major Category (Gross)
For Budget Year 2022

Roads Infrastructure														
Page #	Project #	Project Name	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
	343	ECB-001-18	California/Pulford - Norfolk to Daytona	0	1,200,000	0	0	0	0	0	0	0	1,200,000	
	344	ECB-006-18	Crawford Ave. - Wyandotte to Tecumseh	0	0	0	0	0	0	1,000,000	2,000,000	1,000,000	4,000,000	
	346	ECB-017-18	Pillette Rd. - Seminole to VIA Tracks - Reconstruction	0	950,000	0	0	0	0	0	0	0	950,000	
	448	ECB-030-18	Wyandotte St. - St. Rose to Janisse - Repair WB, Reconstruct EB	0	440,000	0	0	0	0	0	0	0	440,000	
	449	ECB-031-18	Courtland Cres. - South National to South National - Mill and Pave	0	120,000	0	0	0	0	0	0	0	120,000	
	450	ECB-032-18	Annie St. - Tecumseh to Cul-de-sac - Mill and Pave	0	90,000	0	0	0	0	0	0	0	90,000	
	347	ECB-034-18	Byng Rd. - Lappan to Melinda - Reconstruction	0	650,000	0	0	0	0	0	0	0	650,000	
	348	ECB-035-18	Riverside Dr. Vista Intersection - Devonshire and Riverside	1,000,000	0	0	0	0	0	0	0	0	1,000,000	
	351	ECP-002-08	Provincial Rd./Division Rd. Corridor Infrastructure Improvements	0	0	0	13,582,800	10,000,000	0	392,000	3,676,520	1,704,680	1,500,000	30,856,000
	353	ECP-002-10	Banwell Rd. Infrastructure Improvements	500,000	70,000	2,100,000	0	2,399,000	0	2,446,520	53,480	0	1,000,000	8,569,000
	355	ECP-003-07	Grand Marais Rd. Infrastructure Improvements	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000	
	357	ECP-003-08	Howard Avenue Corridor Infrastructure Improvements- S Cameron Boulevard to Herb Gray Parkway	50,000	100,000	2,834,000	0	2,798,000	5,368,000	2,200,000	2,000,000	2,700,000	0	18,050,000
	359	ECP-003-09	Cabana Road Infrastructure Improvements	6,045,060	1,291,746	3,765,980	3,849,659	0	0	450,000	450,000	1,800,000	0	17,652,445
	361	ECP-004-07	Walker Rd. Infrastructure Improvements	0	0	0	0	0	1,400,000	1,400,000	1,400,000	2,000,000	0	6,200,000
	367	ECP-005-07	Tecumseh Rd. E. Infrastructure Improvements	500,000	0	0	500,000	1,075,000	1,125,000	1,000,000	1,000,000	1,000,000	0	6,200,000
	373	ECP-009-07	Intersection Improvements Program	500,000	500,000	500,000	0	0	0	500,000	500,000	500,000	400,000	3,400,000
	375	ECP-010-07	East Riverside Planning District Infrastructure Improvements	0	0	2,400,000	0	0	0	0	0	0	0	2,400,000
	377	ECP-013-09	La Bella Strada - Erie St. Business Improvement Area Streetscaping (SMP)	0	300,000	0	0	0	0	0	0	0	0	300,000
	379	ECP-014-07	University Avenue/Victoria Avenue	4,025,000	1,900,000	3,674,730	2,272,045	2,653,225	0	0	0	0	1,000,000	15,525,000
	381	ECP-016-07	The Riverside Drive Vista Improvement	0	0	2,215,000	2,400,000	2,500,000	8,000,000	2,000,000	2,000,000	2,000,000	2,000,000	23,115,000
	385	ECP-023-07	Parent Ave./McDougall Ave. Storm Sewer (SMP)	2,950,000	0	139,000	500,000	2,046,000	95,000	0	0	0	4,000,000	9,730,000
	395	EDG-001-11	Lauzon Parkway & County Rd. 42 Infrastructure Improvements	0	1,000,000	300,000	7,151,200	9,600,000	8,033,800	0	225,000	775,000	1,000,000	28,085,000
	399	ENG-001-16	Sixth Concession Rd./North Talbot Rd. Infrastructure Improvements	967,000	1,000	0	0	700,000	1,390,000	1,005,000	1,750,000	1,400,000	1,000,000	8,213,000
	535	ENG-003-17	New Streetlights on Collectors and Arterials	100,000	100,000	100,000	0	100,000	100,000	100,000	100,000	100,000	100,000	900,000
	411	ENG-005-17	Central Box EA Road and Infrastructure Improvements (SMP)	2,100,000	3,560,000	3,200,000	300,000	500,000	298,520	3,201,480	1,250,000	500,000	1,550,000	16,460,000
	419	ENG-006-20	Local Improvement Program	1,670,000	28,000	3,015,000	1,050,000	2,087,000	1,250,000	1,550,000	1,295,000	1,100,000	1,250,000	14,295,000
	421	ENG-006-21	7th, 8th and 9th Concession Road Improvements	500,000	0	0	0	0	0	8,000,000	8,500,000	8,500,000	0	25,500,000
	430	ENG-026-17	Sandwich Street - Roundabout and Archeological Study	0	375,000	0	0	0	0	0	0	0	0	375,000
	453	OPS-001-07	Road Rehabilitation - Various Locations Program	15,763,424	14,304,451	17,623,967	18,255,201	10,171,462	13,038,286	17,645,000	17,645,000	17,645,000	21,880,060	163,971,851
	460	OPS-001-11	Minor Alley Maintenance Program	200,000	200,000	200,000	200,000	200,000	200,000	250,000	250,000	250,000	250,000	2,200,000
	462	OPS-002-11	Minor Road Deficiencies Rehabilitation Program	3,259,111	2,967,386	4,075,660	4,133,934	3,800,000	3,800,000	3,000,000	3,000,000	3,000,000	3,000,000	34,036,091
	464	OPS-003-07	Bridge Rehabilitation Program	2,170,000	3,160,770	500,000	500,000	2,500,000	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	17,830,770
	233	OPS-003-14	University Avenue Environmental Assessment Placeholder	0	401,000	850,000	0	0	0	0	0	0	0	1,251,000
	466	OPS-004-07	Sidewalk Rehabilitation Program	861,190	756,190	1,207,696	1,207,696	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,032,772

City Of Windsor
Capital Project Listing By Major Category (Gross)
For Budget Year 2022

473 OPS-005-07	Railway Lands Fencing	100,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	100,000	1,350,000
479 OPS-006-07	"At-Grade" Railway Crossings	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	1,250,000
481 OPS-006-22	Connecting Links Intake 7 - 2022-2023 - Huron Church Road	490,998	0	0	0	0	0	0	0	0	0	490,998
234 OPS-007-16	Cabana Rd. Pavement Markings	0	0	110,000	0	0	0	110,000	0	0	0	220,000
482 OPS-007-19	Connecting Link 4 2019-2020 Grant - Huron Church Rd.	0	2,560,814	0	0	0	0	0	0	0	0	2,560,814
483 OPS-007-20	ICIP - City Wide Sidewalks (Intake 1)	1,020,908	1,519,136	533,815	355,876	177,939	0	0	0	0	0	3,607,674
484 OPS-009-20	Connecting Link Intake 5 Project - Huron Church Rd.	995,000	1,019,930	0	0	0	0	0	0	0	0	2,014,930
486 OPS-028-18	Concrete Road Panel Repair Program	895,000	1,500,000	1,500,000	500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,395,000
276 PBG-001-14	Alley Closing Subsidy Pilot Program	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	360,000
Roads Infrastructure Total		46,827,691	41,330,423	51,159,848	57,073,411	56,622,626	51,013,606	51,565,000	52,410,000	52,689,680	49,155,060	509,847,345

City Of Windsor
Capital Project Listing By Major Category (Gross)
For Budget Year 2022

Sewers Infrastructure													
Page #	Project #	Project Name	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
349	ECP-001-10	Upper Little River Stormwater Management Plan and Implementation	1,000,000	2,000,000	3,000,000	0	0	0	1,500,000	1,500,000	1,500,000	1,500,000	12,000,000
363	ECP-004-08	Municipal Drains Capital Rehabilitation Program	250,000	419,000	250,000	336,000	500,000	500,000	0	450,000	450,000	800,000	3,955,000
365	ECP-004-09	Stormwater and Sanitary Master Plan Development (SMP)	250,000	250,000	0	0	0	0	0	0	0	0	500,000
369	ECP-005-08	Grand Marais Drain Improvements (Concrete Channel)	0	0	0	0	0	0	0	1,169,500	1,098,420	350,000	2,617,920
383	ECP-022-07	Prince Rd./Totten St. Storm Sewer Improvements – (SMP)	1,180,000	0	1,898,750	1,721,250	0	0	2,000,000	2,600,000	0	750,000	10,150,000
387	ECP-028-07	Grand Marais Drain Rehabilitation Program (Existing Naturalized Channel)	500,000	1,200,000	0	0	1,000,000	500,000	300,000	300,000	300,000	300,000	4,400,000
389	ECP-035-07	City Wide Sewer Rehabilitation Program	10,245,000	10,343,000	6,037,000	7,518,000	8,927,624	5,463,550	9,700,000	9,300,000	9,000,000	9,000,000	85,534,174
393	ECP-036-07	Ojibway Sanitary Sewer Rehabilitation	0	3,000,000	0	0	439,000	0	0	0	0	0	3,439,000
331	ECP-041-07	New Infrastructure Development - Oversizing Infrastructure (Developer-related)	800,000	300,000	300,000	200,000	0	0	200,000	200,000	200,000	500,000	2,700,000
397	ENG-001-13	Capital Rehabilitation Program for Little River Steel Retaining Walls	0	1,000,000	500,000	500,000	0	1,000,000	1,500,000	500,000	500,000	500,000	6,000,000
431	ENG-001-19	Bio-Solids / Source Organics Disposal Study	0	0	0	0	0	0	0	500,000	0	0	500,000
400	ENG-001-22	Cameron Ave Storm Trunk Sewer (SMP)	0	0	0	0	0	0	0	0	0	800,000	800,000
401	ENG-002-16	Improvements to Little River Municipal Drain (Lauzon Rd. to VIA Tracks)	0	0	265,000	500,000	0	0	0	0	0	0	765,000
404	ENG-002-19	Sewer Master Plan Implementation (SMP)	10,760,779	8,970,000	11,500,000	9,793,221	5,000,000	5,169,680	5,000,000	5,730,320	5,000,000	0	66,924,000
406	ENG-002-22	Jefferson Drainage Area (SMP)	0	0	324,498	1,037,751	1,637,751	0	0	0	0	0	3,000,000
407	ENG-003-13	Sixth Concession Municipal Drain - Land Acquisition & Capital Improvements	535,000	485,000	361,000	0	0	0	0	0	0	0	1,381,000
409	ENG-003-19	Sandwich South Lands - Engineering Studies	0	0	0	0	0	0	540,000	690,000	0	345,000	1,575,000
413	ENG-005-19	Enhanced Flooding Mitigation Program - DMAF 1	8,670,440	9,055,038	15,557,094	13,174,958	9,824,443	6,660,923	7,065,046	0	0	0	70,007,942
415	ENG-005-21	East West Arterial Drain Diversion	2,000,000	2,000,000	2,000,000	2,000,000	0	0	0	0	0	0	8,000,000
417	ENG-005-22	DMAF 4 Large-Scale Stream Retention Treatment Basin LRWRP	0	0	0	0	0	3,751,701	5,887,751	8,587,751	11,987,751	12,000,000	42,214,954
422	ENG-006-22	DMAF 4 Small-Scale Stream Lauzon Pkwy/Trunk South Windsor	0	0	0	0	2,500,000	7,700,000	1,100,000	0	0	0	11,300,000
451	ENG-007-16	Basement Flooding Abatement Measures	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,514,750	45,014,750
423	ENG-007-21	9th Concession- Trunks Sanitary Sewer	0	0	0	0	0	0	0	2,000,000	1,000,000	0	3,000,000
424	ENG-009-21	Inflow & Infiltration Program (SMP)	125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	1,850,000
426	ENG-012-20	Capital Improvements to East Riverside Flood Protection Dikes (SMP)	0	0	0	0	0	0	0	2,399,680	3,200,320	1,000,000	6,600,000
428	ENG-013-20	Sandwich St. Sewer Rehabilitation	2,030,000	2,030,000	1,713,750	0	0	0	0	0	0	0	5,773,750
432	ENV-001-08	Lou Romano Water Reclamation Plant	4,065,000	3,763,000	2,290,000	2,070,000	2,203,000	1,020,000	1,995,000	628,000	2,020,000	3,470,000	23,524,000
436	ENV-002-08	Little River Pollution Control Plant	1,920,000	4,370,000	3,650,000	570,000	800,000	920,000	800,000	570,000	350,000	570,000	14,520,000
440	ENV-003-08	Pumping Stations Maintenance	1,560,000	4,355,000	1,630,000	1,610,000	760,000	200,000	300,000	300,000	800,000	500,000	12,015,000
475	OPS-005-19	Gravel Alley Drainage Improvements	50,000	0	0	0	0	0	200,000	200,000	200,000	200,000	850,000
487	OPS-029-18	Curb Replacement Program	600,000	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Sewers Infrastructure Total			51,041,219	58,215,038	56,252,092	46,006,180	38,591,818	37,885,854	43,087,797	42,625,251	42,606,491	37,599,750	453,911,490

City Of Windsor
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Transportation													
Page #	Project #	Project Name	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
	533 ECP-001-07	Citywide Streetlight Rehabilitation & Relocations Including E.C. Row Expressway	369,353	593,375	943,615	1,266,280	1,360,000	1,360,000	1,357,460	1,010,800	1,298,940	870,000	10,429,823
	371 ECP-008-07	Pedestrian Safety Improvements	100,000	0	100,000	0	100,000	0	100,000	0	100,000	100,000	600,000
	403 ENG-002-17	Bus Bay Program	100,000	100,000	100,000	0	0	100,000	100,000	100,000	100,000	50,000	750,000
	536 ENG-007-20	Streetlights on Ottawa Street - Pierre to Howard	338,703	462,753	136,589	0	0	0	0	0	0	0	938,045
	489 FRS-001-07	Fire & Rescue First Response Vehicle Replacement Program	2,769,000	130,000	2,857,000	55,000	0	2,034,000	5,241,000	4,499,000	191,000	176,000	17,952,000
	574 FRS-002-20	Command Post Vehicle - Bosch MIC Camera replacement	60,000	0	0	0	0	0	0	0	0	0	60,000
	599 FRS-004-22	Fire - Traffic Signal Pre-Emption	0	0	0	600,000	0	0	0	0	0	0	600,000
	525 OPS-001-13	Parking Equipment Replacement Program	106,000	108,000	110,000	112,000	114,000	116,000	118,000	120,000	122,000	124,000	1,150,000
	499 OPS-001-17	Fuel Site Equipment Replacement	289,100	36,300	62,000	17,780	0	19,950	50,000	50,000	50,000	50,000	625,130
	230 OPS-001-18	School Neighbourhood Policy	150,000	150,000	40,000	50,000	50,000	50,000	100,000	100,000	107,800	0	797,800
	231 OPS-001-19	Pedestrian Crossovers	200,000	0	0	0	0	0	100,000	0	0	0	300,000
	537 OPS-001-21	Streetlight Pole Replacement Program	237,304	342,304	442,304	442,304	100,000	100,000	638,790	940,450	722,310	501,940	4,467,706
	504 OPS-002-17	Fuel Site Program	153,240	6,050	50,000	50,000	50,000	50,000	25,000	25,000	25,000	25,000	459,290
	541 OPS-002-22	Variable Message Sign Upgrades	75,000	0	0	0	0	0	0	0	0	0	75,000
	506 OPS-005-08	Corporate Fleet Replacement Program	1,920,000	2,358,000	2,412,000	1,536,000	2,347,000	2,602,000	1,033,000	2,104,000	2,378,000	3,760,000	22,450,000
	544 OPS-008-20	Traffic Signal Upgrades and Replacements	2,088,259	804,673	1,721,405	1,778,137	2,430,000	2,330,000	2,100,000	2,100,000	2,100,000	2,100,000	19,552,474
	235 OPS-009-07	Transportation Planning Environmental Study Reports (ESRs)	100,000	100,000	100,000	100,000	100,000	0	0	0	0	200,000	700,000
	549 OPS-010-07	Advanced Traffic Management System (ATMS) - System Maintenance	420,000	234,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	3,854,000
	237 OPS-014-07	Citywide Bikeway Development Initiatives	200,000	200,000	400,000	400,000	400,000	100,000	100,000	100,000	100,000	600,000	2,600,000
	527 OPS-018-07	Parking Garage Capital Rehabilitation Program	1,220,400	717,000	717,000	750,000	750,000	750,000	750,000	600,000	600,000	600,000	7,454,400
	529 OPS-019-07	New Parking Lot Development	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
	531 OPS-020-07	Parking Lot Rehabilitation Program	400,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,200,000
	239 OPS-021-07	Traffic Calming Initiatives	0	0	0	0	400,000	0	100,000	0	0	1,140,000	1,640,000
	519 OPS-022-07	Purchase of Fleet Additions and Upgrades	1,006,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	2,356,000
	523 OPS-027-18	Greening the Fleet	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000	700,000
	559 TRN-001-07	Transit Windsor Fleet Replacement Program	3,997,180	726,426	0	1,167,896	3,952,638	6,458,059	5,200,000	5,200,000	5,200,000	5,200,000	37,102,199
	561 TRN-001-16	Transit Windsor Fleet Refurbishment/Repair Costs	500,000	300,000	300,000	300,000	300,000	300,000	400,000	400,000	400,000	400,000	3,600,000
	563 TRN-001-21	2021 Transit Windsor Master Plan Implementation	759,744	583,204	0	0	400,000	0	0	0	0	0	1,742,948
	551 TRN-001-22	Transit Windsor Garage	0	4,073,574	5,701,947	1,024,479	0	0	1,000,000	1,000,000	1,000,000	0	13,800,000
	565 TRN-002-08	Transit Windsor Fleet Structural Repairs	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
	553 TRN-002-20	ICIP-TW Master Plan Implementation- Phase 1	802,820	0	0	0	0	0	0	0	0	0	802,820
	555 TRN-003-07	Transit Windsor - Shelters/Signage/Amenities Maintenance and Replacement	51,000	52,000	53,000	54,100	55,200	56,300	77,400	58,500	59,700	60,894	578,094
	557 TRN-003-22	Automated Passenger Counter	90,000	0	110,000	0	0	0	0	0	0	0	200,000
	567 TRN-007-21	Support Vehicles	0	0	0	0	0	0	103,382	105,449	107,558	109,709	426,098
Transportation Total			18,853,103	12,777,659	17,456,860	10,803,976	14,008,838	17,526,309	19,794,032	19,613,199	15,762,308	17,367,543	163,963,827

City Of Windsor
Capital Project Listing By Major Category (Gross)
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Parks & Recreation													
Page #	Project #	Project Name	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
	122	ECB-004-18	Wigle Park Capital Improvements	0	175,000	0	145,000	0	0	0	0	0	320,000
	123	ECB-011-18	Stodgell Park Redevelopment	0	460,000	0	0	0	0	0	0	0	460,000
	124	ECB-026-18	Elizabeth Kishkon Park - Install Washroom	150,000	450,000	0	0	0	0	0	0	0	600,000
	125	ECB-028-18	Improvements to Peche Island and Boat Access	0	800,000	0	500,000	0	263,670	0	0	0	1,563,670
	127	ECB-029-18	Wayfinding Signage and Markers - Ganatchio Trail/Little River	0	100,000	0	0	0	0	0	0	0	100,000
	128	ECB-041-18	Off-Road Cycling Trails	200,000	700,000	0	0	0	0	0	0	0	900,000
	129	ENG-002-14	Riverside Drive Retaining Wall - Design & Construction & Facility Requirements	50,000	0	0	0	0	250,000	750,000	750,000	0	1,800,000
	336	ENG-004-22	Artificial Turf Sports Field at the McHugh Soccer Complex	0	0	223,000	254,000	0	0	0	0	0	477,000
	338	ENG-014-20	Ojibway Wildlife Overpass	0	0	0	0	1,500,000	0	0	0	0	1,500,000
	493	OPS-001-15	Parks Equipment Replacement Program	936,000	652,000	1,159,000	346,000	705,000	553,000	464,000	766,000	1,133,000	7,467,000
	131	PFO-001-14	Central Riverfront Park Improvements	479,621	0	0	0	0	0	0	0	0	479,621
	132	PFO-001-16	New Greenhouse Complex Construction and Refurbishments	4,136,960	0	0	0	0	0	0	0	0	4,136,960
	134	PFO-001-17	Adult Exercise Equipment	0	0	0	0	0	0	0	0	150,000	150,000
	135	PFO-001-21	Waterfront Beacon - Home to Street Car 351	4,599,045	50,955	0	0	0	0	0	0	0	4,650,000
	137	PFO-001-22	Self-Watering Planters	0	0	0	0	0	0	0	0	60,000	60,000
	138	PFO-002-15	Playgrounds Replacement Program	1,577,448	1,343,875	2,510,302	2,226,728	2,903,000	3,053,000	2,600,000	2,600,000	2,600,000	24,014,353
	140	PFO-002-21	Parks Drainage Improvements	125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	1,850,000
	142	PFO-003-15	Central Riverfront / Festival Plaza	1,740,000	729,540	2,461,540	2,401,920	100,000	100,000	1,682,969	4,442,935	1,381,096	15,040,000
	143	PFO-003-18	Fred Thomas Splash Pad (Glengarry)	0	150,000	0	0	0	0	0	0	0	150,000
	144	PFO-003-19	Parks Lighting	425,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	500,000	1,725,000
	190	PFO-003-20	Holiday Lights Capital Maintenance	50,000	105,801	50,000	50,000	50,000	50,000	0	50,000	0	405,801
	146	PFO-003-21	Parks Fencing and Railings	0	0	0	0	0	0	0	0	225,000	225,000
	147	PFO-003-22	Walking Trail in Parks	0	0	0	0	0	0	0	0	750,000	750,000
	148	PFO-004-21	Parks Sports Courts Improvements	0	300,000	0	50,000	0	0	0	0	500,000	850,000
	149	PFO-004-22	Pave Parkside Tennis and Jackson Park for Bright Lights	0	0	0	0	0	0	0	0	450,000	450,000
	150	PFO-005-12	Regional Parks Rehabilitation Program	200,000	0	400,000	300,000	500,000	600,000	300,000	300,000	300,000	3,200,000
	152	PFO-005-18	Shorewall Capital Rehabilitation Program	425,003	8,885	511,266	592,000	592,000	592,000	600,000	600,000	600,000	5,121,154
	153	PFO-005-19	Parks & Recreation Service and Infrastructure Program	0	105,000	395,000	500,000	0	0	0	0	0	1,000,000
	154	PFO-005-20	Natural Areas Management Program	100,000	200,000	100,000	100,000	100,000	100,000	150,000	150,000	150,000	1,350,000
	156	PFO-005-21	Park Splash Pads	50,000	50,000	50,000	0	0	0	0	0	400,000	550,000
	158	PFO-005-22	New Multi-Use Trails	300,000	0	0	0	0	0	0	0	0	300,000
	159	PFO-006-12	Community Parks Rehabilitation Program	250,000	500,000	0	0	500,000	500,000	0	0	0	1,750,000
	161	PFO-006-18	Ditch Cutting Equipment for Vacant Properties/Phragmites Control	266,280	0	0	0	0	0	0	0	0	266,280
	162	PFO-006-19	Recycling Silos in Parks	64,000	64,000	64,000	64,000	64,000	64,000	25,000	25,000	25,000	623,000
	163	PFO-006-20	Riverfront Walkway Stabilization	0	0	0	1,500,000	500,000	0	500,000	500,000	500,000	4,000,000

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164 PFO-007-11	Tree Maintenance and Urban Forest Enhancement Program	1,994,143	1,994,143	2,245,143	1,994,143	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	20,707,572
167 PFO-007-12	Neighbourhood Parks Rehabilitation Program	150,000	0	0	348,000	652,000	0	100,000	100,000	100,000	400,000	1,850,000
169 PFO-008-12	New Park Design/Development/Construction	300,000	400,000	0	0	300,000	0	0	0	0	0	1,000,000
171 PFO-008-17	Riverfront Exercise Equipment	0	0	0	0	0	0	0	0	800,000	0	800,000
172 PFO-009-12	Park Bridges/Shelters/Buildings/Capital Rehabilitation Program	918,000	130,000	100,000	0	132,000	1,300,000	250,000	250,000	250,000	500,000	3,830,000
174 PFO-009-20	Parks Signage	0	0	0	0	0	0	0	0	0	400,000	400,000
175 PFO-010-17	Dog Park Development	0	0	0	0	0	0	0	0	0	300,000	300,000
176 PFO-010-20	Park Bench Replacement Program	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	75,000	525,000
178 PFO-011-12	Beautification of Civic Gateways and Other Open Spaces	0	0	0	0	300,000	300,000	0	0	0	0	600,000
180 PFO-012-12	Park Trails Capital Rehabilitation Program	1,200,000	0	100,000	100,000	300,000	100,000	300,000	300,000	225,000	340,000	2,965,000
182 PFO-013-12	Park-Related Parking Lots Capital Upgrades	200,000	200,000	100,000	350,000	500,000	200,000	300,000	300,000	300,000	375,000	2,825,000
184 PFO-014-12	Park Community Partnership Initiatives	25,000	25,000	25,000	25,000	0	0	25,000	25,000	25,000	50,000	225,000
186 PFO-015-12	Parks Master Plan	50,000	0	0	0	125,000	50,000	50,000	0	0	0	275,000
187 PFO-016-12	Parkland Acquisitions	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
188 PFO-017-12	Playground Equipment Removal	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000
298 PLN-021-07	City Hall Square and Civic Esplanade	1,085,000	915,000	200,000	200,000	627,000	200,000	0	0	0	0	3,227,000
191 REC-001-08	The WFCU Centre Transitional Budget	400,000	0	0	0	0	0	0	0	0	0	400,000
198 REC-001-18	Monument and Memorial Capital Repairs	75,000	75,000	0	75,000	75,000	75,000	75,000	75,000	0	75,000	600,000
199 REC-001-21	Spirit of Windsor Train	0	0	0	0	0	0	0	0	0	50,000	50,000
201 REC-002-07	Lakeview Park Marina Rehabilitation Program	360,114	950,000	50,000	50,000	34,000	34,000	275,000	275,000	275,000	275,000	2,578,114
192 REC-002-14	Relocation of Sandpoint Beach	0	777,000	250,500	0	0	0	300,000	300,000	300,000	0	1,927,500
203 REC-002-21	Adie Knox Herman Reimagining	2,000,000	2,138,045	5,323,358	3,150,000	2,225	6,076,723	1,309,649	0	0	0	20,000,000
194 REC-003-07	Municipal Pools Refurbishment Program	67,200	132,000	75,000	2,305,201	2,610,000	0	474,000	500,000	500,000	0	6,663,401
196 REC-004-07	Recreation Facility Refurbishment Program	50,000	50,000	300,000	50,000	100,000	50,000	300,000	300,000	300,000	185,000	1,685,000
110 REC-004-08	The WFCU Centre Capital Rehabilitation Program	0	650,000	0	200,000	540,000	790,000	300,000	300,000	300,000	290,000	3,370,000
Parks & Recreation Total		25,198,814	15,856,244	17,168,109	18,351,992	16,391,225	17,631,393	13,210,618	15,488,935	13,394,096	13,897,000	166,588,426

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Corporate Property Infrastructure

Page #	Project #	Project Name	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
	329 ECP-009-08	Corporate Properties Site Assessments/Clean-ups/Demolitions	200,000	0	0	0	0	0	0	0	0	200,000	400,000
	58 ENG-006-17	Windsor International Aquatic Training Centre – Ongoing Capital Maintenance	150,000	150,000	971,500	568,500	150,000	150,000	300,000	300,000	300,000	350,000	3,390,000
	60 ENG-007-17	Facility Equipment Replacement Program	50,000	50,000	50,000	50,000	50,000	50,000	50,000	0	0	50,000	400,000
	61 ENG-010-17	Capitol Theatre Capital Rehabilitation Program	200,000	0	750,000	750,000	0	0	100,000	100,000	100,000	0	2,000,000
	63 ENG-011-17	400 City Hall Square - Capital Repairs	0	129,700	1,690,300	0	500,000	500,000	100,000	100,000	100,000	100,000	3,220,000
	214 FIN-004-18	Enterprise Wide Energy Management System Software	0	0	0	0	0	0	0	0	300,000	0	300,000
	586 FRS-001-18	Radio Service Monitor	45,000	0	0	0	0	0	0	0	0	0	45,000
	570 FRS-001-19	Water Rescue Equipment - Fire & Rescue Division	0	0	0	0	0	0	0	0	130,000	0	130,000
	589 FRS-002-18	Breathing Air-Compressor Replacement	150,000	0	0	0	0	0	0	0	0	0	150,000
	573 FRS-002-19	Fire & Rescue - Forcible Entry Prop	0	0	20,000	0	0	0	0	0	0	0	20,000
	575 FRS-002-21	Permanent Training Tower	0	0	0	0	0	0	200,000	0	0	0	200,000
	577 FRS-003-13	New Fire Headquarters - Station #1	200,000	0	0	0	0	1,500,000	0	1,000,000	0	500,000	3,200,000
	591 FRS-003-16	Fire Education Materials, Displays & Equipment	0	0	0	20,000	0	0	0	0	20,000	0	40,000
	579 FRS-003-19	Renovation and Addition to Fire & Rescue Training Facility	0	0	0	0	0	0	0	0	0	400,000	400,000
	581 FRS-003-20	Fire & Rescue Washer Extractor	0	0	0	0	0	0	25,000	0	0	0	25,000
	582 FRS-003-22	Decontamination Unit for Personal Protective Equipment (PPE)	0	0	0	0	40,000	0	0	0	0	0	40,000
	593 FRS-004-07	Firefighter Self-Contained Breathing Apparatus (SCBA) Replacement	0	0	0	0	0	0	0	1,400,000	0	0	1,400,000
	595 FRS-004-18	Posichek Machine (SCBA tester)	25,000	0	0	0	0	0	0	0	0	0	25,000
	583 FRS-005-07	Heavy Hydraulics Replacement-Auto Extraction	0	0	0	0	250,000	0	0	0	0	0	250,000
	601 FRS-005-18	Shop Air-Compressor	0	0	25,000	0	0	0	0	0	0	0	25,000
	602 FRS-006-18	Hoist Replacement	0	0	0	0	0	0	240,000	60,000	0	0	300,000
	584 FRS-007-18	Thermal Imaging Camera - Fire & Rescue Services	0	50,000	0	0	0	0	50,000	50,000	0	0	150,000
	217 HCP-001-07	Accessibility - ODA Compliance	100,000	0	50,000	50,000	50,000	50,000	0	0	250,000	0	550,000
	65 HCP-002-07	Corporate Facilities Roof Replacement Program	400,000	400,000	400,000	400,000	1,200,000	200,000	1,150,000	2,820,000	1,560,000	1,525,000	10,055,000
	68 HCP-002-09	Fire Hall Capital Refurbishment Program	100,000	150,000	0	0	0	150,000	0	0	0	0	400,000
	70 HCP-005-08	Corporate Facilities Paving Program	1,070,000	100,000	2,315,000	3,150,000	0	100,000	1,000,000	1,000,000	1,000,000	850,000	10,585,000
	72 HCP-010-07	Willistead Complex Capital Rehabilitation Program	1,650,000	0	0	500,000	1,000,000	550,000	75,000	75,000	75,000	0	3,925,000
	307 HCS-001-22	H4 / Emergency Shelter Study	200,000	0	0	0	0	0	0	0	0	0	200,000
	310 HLD-001-12	Huron Lodge Nursing Equipment Replacement Program	450,000	50,000	50,000	50,000	75,000	75,000	200,000	200,000	200,000	200,000	1,550,000
	324 HLD-001-13	Huron Lodge Beds/Mattresses/Furniture Replacement Program	122,404	100,000	100,000	100,000	200,000	200,000	0	300,000	200,000	100,000	1,422,404
	312 HLD-001-15	Huron Lodge Ceiling Mounted Resident Lift Replacement Program	100,000	100,000	100,000	110,000	120,000	120,000	110,000	0	0	115,000	875,000
	316 HLD-001-17	Huron Lodge Dietary Servery and Cafe Updates and Equipment Replacement	35,000	35,000	35,000	35,000	50,000	50,000	40,000	0	50,000	50,000	380,000
	318 HLD-002-12	Huron Lodge Cooking and Food Preparation Equipment Replacement Program	40,000	40,000	0	42,000	45,000	45,000	0	0	50,000	50,000	312,000
	326 HLD-002-17	Huron Lodge Resident Services Equipment Replacement	50,000	0	0	0	40,000	150,000	0	0	40,000	60,000	340,000

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320 HLD-003-15	Huron Lodge Dish Machines and Industrial Kitchen Equipment	0	40,000	0	50,000	50,000	50,000	110,000	70,000	100,000	100,000	570,000
321 HLD-004-15	Huron Lodge Refrigeration and Freezer Equipment Replacement	175,000	0	0	0	175,000	100,000	0	0	250,000	250,000	950,000
227 HRS-002-08	Corporate Health and Safety Program - Assessments	0	0	0	0	0	0	0	0	117,250	0	117,250
224 HRS-002-17	Corporate Ergonomic Equipment	0	0	35,000	0	0	0	0	0	0	0	35,000
606 LGL-001-20	Provincial Offences Division Renovations 350 City Hall	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	316,000	3,160,000
603 LGL-001-22	Confidential Legal Matter (In-Camera)	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	15,000,000
605 LGL-002-17	Demolition of Transitional Buildings	60,000	0	100,000	100,000	0	0	100,000	100,000	100,000	100,000	660,000
488 OPS-004-22	Waste Disposal Bins	0	0	0	0	0	0	0	60,550	53,500	54,450	168,500
477 OPS-005-22	Orphan Monuments, Gateways and Miscellaneous Installations and Maintenance	0	0	200,000	25,000	0	0	25,000	25,000	25,000	0	300,000
342 OPS-006-19	Food and Organic Waste Collection and Treatment	20,000	0	0	0	0	0	0	0	0	0	20,000
74 OPS-007-07	Public Works Operations Facilities Refurbishment	575,000	653,899	25,000	25,000	25,000	25,000	100,000	800,000	900,000	25,000	3,153,899
76 PFO-001-12	Corporate Properties Security Systems and Infrastructure	125,000	75,000	150,000	150,000	150,000	150,000	75,000	75,000	75,000	325,000	1,350,000
78 PFO-002-12	Facility Structural & Building Envelope Maintenance Program	50,000	50,000	50,000	550,000	150,000	500,000	750,000	1,000,000	1,500,000	500,000	5,100,000
80 PFO-002-14	Huron Lodge Facility Rehabilitation Program	175,000	0	0	750,000	925,000	275,000	150,000	150,000	150,000	100,000	2,675,000
82 PFO-002-18	Facility & Parks Building Demolitions	0	100,000	100,000	0	100,000	100,000	0	0	0	0	400,000
84 PFO-002-19	Fountain Restoration and Repairs	449,500	750,500	250,000	2,250,000	500,000	660,000	1,050,000	50,000	2,450,296	0	8,410,296
86 PFO-002-22	Capitol Theatre Legacy Grant	1,200,000	0	0	0	0	0	0	0	0	0	1,200,000
87 PFO-003-11	Corporate Designated Substance Remediation Program	0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000
89 PFO-003-13	401 Riverside Drive W Capital Refurbishment	25,000	125,000	0	0	125,000	125,000	125,000	100,000	100,000	0	725,000
91 PFO-003-14	Corporate Facilities Boiler Replacement Program	50,000	50,000	50,000	50,000	950,000	150,000	50,000	50,000	50,000	500,000	1,950,000
93 PFO-004-12	Corporate Facilities Building Condition Assessments	50,000	50,000	0	0	200,000	200,000	200,000	100,000	100,000	0	900,000
95 PFO-004-20	Windsor Lawn Bowling Club Exterior Repairs	100,000	100,000	0	0	0	0	100,000	50,000	50,000	0	400,000
96 PFO-006-21	Paul Martin Building - Capital Repairs	0	0	0	0	0	0	0	0	0	800,000	800,000
98 PFO-008-21	Corporate Electrical Replacement/Repair Program	0	0	0	0	0	0	750,000	150,000	150,000	150,000	1,200,000
99 PFO-009-11	Corporate Heating & Cooling Replacement/Repair Program	485,000	350,000	200,000	500,000	1,130,000	600,000	1,000,000	1,500,000	1,800,000	1,000,000	8,565,000
101 PFO-010-11	Corporate Facilities Interior Renovation Program	0	100,000	50,000	50,000	100,000	100,000	750,000	750,000	750,000	395,000	3,045,000
103 PFO-010-21	Additions to Field Engineering Building at Crawford Yard	0	0	0	0	0	0	0	0	0	400,000	400,000
104 PFO-013-21	Corporate Facility Equipment Maintenance Program	232,800	48,000	75,000	10,000	1,090,000	0	150,000	0	0	50,000	1,655,800
106 PFO-014-07	Corporate Facilities Health & Safety Compliance	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000
108 PFO-014-21	Access Control System Replacement	0	0	0	0	0	0	1,850,000	0	0	1,100,000	2,950,000
112 REC-005-07	Corporate Arena Refurbishments	375,000	200,000	1,000,000	200,000	1,090,000	1,000,000	0	0	0	700,000	4,565,000
120 REC-006-07	Mackenzie Hall Repair and Maintenance	0	250,000	0	0	375,000	2,150,000	0	0	300,000	0	3,075,000
Corporate Property Infrastructure Total		11,300,704	6,213,099	10,757,800	12,451,500	12,871,000	12,041,000	12,941,000	14,401,550	15,362,046	13,065,450	121,405,149

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Corporate Technology

Page #	Project #	Project Name	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
	212 FIN-001-17	Asset Planning Service Design and Implementation	0	0	0	0	0	250,000	150,000	400,000	150,000	0	950,000
	572 FRS-001-20	Technology Replacements - Emergency Operations Centre (EOC)	0	0	0	0	150,000	150,000	0	0	50,000	0	350,000
	587 FRS-002-07	Fire & Rescue Computer-aided Dispatch System (CRISYS)	0	50,000	0	0	50,000	0	0	50,000	0	0	150,000
	597 FRS-004-19	WFRS - Next Gen 911 Telecommunications Rehabilitation Program	0	0	300,000	1,600,000	0	0	0	0	0	0	1,900,000
	308 HLD-001-11	Huron Lodge Point of Care Technology Implementation and upgrades including Wireless and Wired Care	0	0	0	0	0	100,000	0	0	0	500,000	600,000
	314 HLD-002-15	Huron Lodge Resident Monitoring & Nurse Bedside Call System	0	100,000	0	25,000	20,000	20,000	0	120,000	0	20,000	305,000
	322 HLD-006-15	Huron Lodge Dietary Management System Maintenance	75,000	105,000	0	35,000	0	70,000	0	0	0	50,000	335,000
	221 HRS-001-22	ESC Knowledge Management System – Motorola Knowledge Base	125,000	0	0	0	0	0	0	0	0	0	125,000
	242 ITC-001-08	Information Technology Business Continuity Improvements	200,000	150,000	150,000	100,000	0	0	75,000	50,000	50,000	50,000	825,000
	252 ITC-001-09	Corporate Facilities Content Access Improvements	200,000	0	0	0	0	0	75,000	75,000	50,000	50,000	450,000
	244 ITC-001-10	Smart Community Initiative	200,000	200,000	200,000	200,000	200,000	200,000	50,000	50,000	50,000	50,000	1,400,000
	250 ITC-001-12	Fire and Rescue Records Management and Computer Aided Dispatch System Initiatives	0	0	0	0	100,000	100,000	200,000	200,000	200,000	250,000	1,050,000
	246 ITC-001-13	Corporate Integration of Mobile Technologies	0	300,000	0	0	0	625,000	50,000	50,000	50,000	50,000	1,125,000
	261 ITC-001-18	Online Access for Non-Network Users	100,000	0	0	0	0	0	0	0	0	0	100,000
	253 ITC-001-19	Funding for Microsoft Software	0	0	0	0	600,000	600,000	900,000	900,000	900,000	200,000	4,100,000
	264 ITC-001-22	Data & Insights	300,000	0	0	0	0	0	0	0	0	0	300,000
	266 ITC-002-07	Corporate Electronic Storage and Retrieval Systems Upgrades	150,000	150,000	150,000	100,000	100,000	100,000	125,000	100,000	100,000	125,000	1,200,000
	255 ITC-002-19	Municipal Tax System	0	1,341,000	0	0	530,000	0	0	0	0	0	1,871,000
	268 ITC-003-07	Information Technology Network Infrastructure Improvements	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	270,000	2,070,000
	270 ITC-005-07	Corporate Data & Network Security Initiatives	300,000	300,000	300,000	100,000	100,000	100,000	100,000	100,000	100,000	230,000	1,730,000
	272 ITC-006-07	Information Technology Disaster Recovery Initiatives	100,000	100,000	100,000	100,000	100,000	100,000	150,000	150,000	150,000	300,000	1,350,000
	248 ITC-007-07	Corporate Intranet Redesign & Internet Accessibility Improvements	550,000	0	0	850,000	0	0	150,000	125,000	150,000	150,000	1,975,000
	257 ITC-008-07	Corporate Enterprise Resource Planning (ERP) System	250,000	250,000	0	516,696	2,000,000	2,154,473	1,750,000	2,250,000	2,000,000	1,100,000	12,271,169
	259 ITC-011-07	AMANDA Information System Upgrades and Improvements	300,000	200,000	200,000	200,000	0	0	250,000	250,000	250,000	250,000	1,900,000
	274 ITC-012-07	Corporate Telecommunications	300,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,200,000
	502 OPS-001-20	Corporate Fleet Software System	85,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	535,000
	543 OPS-003-22	Traffic Asset Management Program	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
	539 OPS-004-19	Infor Hansen Infrastructure Management System	0	0	0	0	65,000	65,000	0	0	0	45,000	175,000
	292 PLN-005-07	Planning & Building E-Plan & E-Permit Review and Implementation	0	0	28,140	0	0	0	0	0	0	0	28,140
Corporate Technology Total			3,485,000	3,646,000	1,828,140	4,226,696	4,415,000	5,034,473	4,425,000	5,270,000	4,650,000	3,890,000	40,870,309

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Community & Economic Development													
Page #	Project #	Project Name	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
47	CAO-001-16	Paul Martin Bldg. Placeholder	260,000	0	0	1,004,384	0	0	0	0	0	0	1,264,384
49	CAO-002-18	New Windsor-Essex Hospital System Plan	0	6,900,000	6,900,000	6,900,000	6,900,000	6,900,000	6,200,000	0	0	0	40,700,000
569	ECB-039-18	Ward Funds	0	1,600,000	0	0	0	0	0	0	0	0	1,600,000
286	ECB-042-18	Theme Districting - Downtown, Sandwich, Walkerville, Riverside, Ford City, Asian Town	300,000	3,595,000	0	0	0	0	0	0	0	0	3,895,000
211	ECB-044-18	Financing Charges	0	75,000	0	0	0	0	0	0	0	0	75,000
334	ENG-004-21	Airport Employment Lands	0	0	1,967,000	0	2,298,329	934,671	0	0	0	0	5,200,000
340	ENG-016-20	Kauth's Expansion Plan	1,175,000	0	0	0	0	0	0	0	0	0	1,175,000
341	ENG-027-17	Wyandotte Town Centre's World Marketplace Redevelopment - Phase 1	0	0	1,000,000	0	0	0	0	0	0	0	1,000,000
216	FIN-001-14	Development Charges Study and Bylaw Update	0	0	50,000	50,000	0	0	0	60,000	60,000	0	220,000
213	FIN-001-19	Grant Matching Funding and Mitigating Inflationary Pressures	287,751	1,037,751	913,253	250,000	300,000	2,750,000	1,000,000	2,675,616	1,475,000	1,200,000	11,889,371
206	FIN-001-22	Financial Sustainability and Debt Policy	400,000	0	0	0	0	0	0	0	0	0	400,000
207	FIN-006-16	(Legislated) Liability for Contaminated Sites	100,000	0	0	0	0	0	0	0	0	0	100,000
576	FRS-002-22	Fire & Rescue Master Plan	150,000	0	0	0	0	0	0	0	150,000	0	300,000
301	HCS-001-07	City Housing Reserve Fund	1,250,000	1,250,000	0	0	0	0	600,000	600,000	600,000	3,000,000	7,300,000
219	HRS-001-19	Diversity and Inclusion Initiative (Phases 1 and 2)	50,000	50,000	30,000	0	0	0	0	0	0	0	130,000
604	LGL-002-16	Environmentally Significant Lands Acquisition Placeholder	0	0	0	0	0	0	1,500,000	0	0	0	1,500,000
241	MAY-001-19	Windsor Works	1,000,000	1,000,000	0	0	0	0	0	0	3,000,000	3,529,791	8,529,791
278	PBG-001-18	Official Plan Review	0	0	0	0	550,000	0	0	0	300,000	200,000	1,050,000
288	PBG-001-21	Affordable Housing Community Improvement Plan Incentives	0	0	0	0	0	0	0	250,000	0	0	250,000
279	PBG-002-18	Comprehensive Zoning B-Law	250,000	0	0	0	0	0	0	350,000	100,000	0	700,000
289	PBG-002-21	University Avenue West/Wyandotte St West CIP Incentives	0	0	0	0	0	0	0	100,000	0	0	100,000
277	PBG-003-18	Annexed Lands Growth/Development - Stormwater Financing Study	670,000	0	0	0	0	0	0	0	0	0	670,000
290	PBG-003-21	Ford City CIP	0	0	0	0	0	0	0	100,000	0	0	100,000
291	PBG-004-21	Sandwich Community Development Plan	0	0	0	0	0	0	0	100,000	0	0	100,000
280	PLN-007-07	Growth Management Plan Review and Implementation	0	0	0	0	0	0	0	100,000	0	200,000	300,000
282	PLN-008-07	"Green Windsor" Protection and Funding Strategy	0	0	0	0	100,000	0	0	0	0	0	100,000
284	PLN-010-07	Heritage Preservation Study and Identification of Incentives	0	0	0	0	0	0	0	0	0	159,000	159,000
294	PLN-012-07	City Centre Community Development Plan	0	0	0	0	500,000	0	0	415,000	250,000	0	1,165,000
296	PLN-018-07	Neighbourhood Studies and Design Guidelines	0	0	0	0	0	0	0	0	0	250,000	250,000
200	REC-001-22	Windsor Waterworld Improvements Study	200,000	0	0	0	0	0	0	0	0	0	200,000
Community & Economic Development Total			6,092,751	15,507,751	10,860,253	8,204,384	10,648,329	10,584,671	9,300,000	4,750,616	5,935,000	8,538,791	90,422,546

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Capital Reserve Replenishment			2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Page #	Project #	Project Name											
	209 FIN-009-15	Capital Reserve Replenishment Allocation	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,710,000	1,710,000	1,710,000	1,710,000	16,860,000
Capital Reserve Replenishment Total			1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,710,000	1,710,000	1,710,000	1,710,000	16,860,000

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Agencies, Boards and Committees (ABC's)													
Page #	Project #	Project Name	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
	42 ECP-010-09	Airport Various Asset Replacement/Refurbishment/Upgrades	1,173,000	42,000	275,000	0	0	0	0	0	0	815,000	2,305,000
	44 ECP-046-07	Airport Drainage and Pavement Improvements	300,000	195,000	0	0	1,450,000	100,000	100,000	100,000	100,000	100,000	2,445,000
	333 ENG-003-18	Sandwich Library	500,000	0	0	0	0	0	0	0	0	0	500,000
	304 HCS-001-14	Windsor Essex Community Housing Corporation Capital Improvements	7,435,523	3,200,000	3,200,000	6,230,303	3,200,000	3,200,000	3,200,000	3,200,000	3,200,000	3,200,000	39,265,826
	21 ITC-002-16	Corporate Radio Infrastructure	3,100,000	0	0	1,600,000	600,000	0	0	0	0	0	5,300,000
	24 POL-001-09	Windsor Police Service Fleet Replacement/Refurbishment Program	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	12,680,000
	26 POL-001-11	Windsor Police Service - Jefferson Operational Support Services Facility	500,000	0	0	0	0	0	0	0	0	0	500,000
	28 POL-001-20	Advanced Analytics and Process Optimization	0	0	0	0	250,000	250,000	640,000	600,000	600,000	0	2,340,000
	30 POL-001-22	CCTV Grant for Traffic Cameras	400,000	0	0	0	0	0	0	0	0	0	400,000
	31 POL-002-19	Windsor Police Service - Specialized Equipment	150,000	585,000	700,000	795,000	450,000	275,000	745,000	625,000	310,000	605,000	5,240,000
	32 POL-003-19	Windsor Police Service - Technology Projects	375,000	425,000	425,000	425,000	425,000	350,000	450,000	450,000	450,000	450,000	4,225,000
	34 POL-004-19	Windsor Police Service - Telecommunications	400,000	425,000	400,000	200,000	600,000	800,000	300,000	550,000	300,000	300,000	4,275,000
	36 POL-005-19	Windsor Police Service - Facility Projects	340,000	350,000	200,000	250,000	100,000	150,000	150,000	150,000	150,000	150,000	1,990,000
	40 RGC-001-18	Roseland/Little River Golf Courses Asset Replacement/Improvements	2,107,000	0	0	250,000	2,759,384	0	0	0	0	0	5,116,384
	38 TRN-005-07	Handi-Transit Bus Acquisitions	120,000	120,000	0	0	555,000	155,000	300,000	300,000	300,000	500,000	2,350,000
	51 WPL-001-17	Windsor Public Library Refurbishments	89,180	33,752	46,000	46,000	31,000	48,000	0	0	0	138,000	431,932
	52 WPL-001-20	WPL Electronic Signs	0	0	0	0	0	0	0	90,000	0	92,000	182,000
	53 WPL-002-18	Windsor Public Library Materials Acquisitions	125,000	125,000	150,000	150,000	150,000	150,000	200,000	200,000	0	150,000	1,400,000
	55 WPL-002-20	Library Self Checkouts	0	0	0	0	0	0	40,000	40,000	80,000	55,000	215,000
	56 WPL-002-22	WPL Scanners	30,000	0	0	0	0	0	0	0	0	0	30,000
Agencies, Boards and Committees (ABC's) Total			18,412,703	6,768,752	6,664,000	11,214,303	11,838,384	6,746,000	7,393,000	7,573,000	6,758,000	7,823,000	91,191,142
Grand Total			182,881,985	161,984,966	173,817,102	170,002,442	167,057,220	160,133,306	163,426,447	163,842,551	158,867,621	153,046,594	1,655,060,234

2022 Approved Capital Budget



Capital Project Summaries

Agencies, Boards & Committees



Project Version Summary

Project #	ITC-002-16	Service Area	Agencies, Boards & Committees
Budget Year	2022	Department	Windsor Police Services
Asset Type	Unassigned	Division	Administration - Police
Title	Corporate Radio Infrastructure		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	City Wide		
Version Name	Main (Active)		

Project Description

The corporate radio system is used by Windsor Police Services, Windsor Fire & Rescue Services, Transit Windsor and various operating departments within the Corporation of the City of Windsor. The recommendation is to approve the funds identified in ITC-002-16 for 2021, 2022, 2025 and 2026, all funded from the dedicated funding source Reserve Fund 198 ("Radio Reserve"). The capital funds are required for system upgrades of end user devices and other equipment not covered under the service agreement with the system vendor. Reserve Fund 198 anticipated and is sufficiently funded for these capital expenditures.

Capital Project ITC-002-16 ("Corporate Radio Infrastructure"), and the 2021, 2022, 2025 and 2026 funding requirements, were approved in principle during the 2016 capital budgeting process. This is a corporate-wide project, with many City departments and agencies relying on the corporate radio system. This capital project, ITC-002-16 ("Corporate Radio Infrastructure"), has a dedicated funding source, which is Reserve Fund 198 ("Radio Reserve"). Radio Reserve Fund 198 was created in 2015, through City Council Resolution CR209/2015, to establish a sustainable funding mechanism for the corporate radio system. The City of Windsor Finance Department projected operating and capital requirements from this reserve, through 2033, when establishing Reserve Fund 198 in 2015. The amounts reflected in ITC-002-16 match the capital requirements identified in the reserve fund projection, and as such, have sufficient funding from Reserve Fund 198.

The corporate radio system, an ASTRO P25 Digital Voice Radio Communications System from Motorola Solutions, was purchased in 2008 and implemented in 2009. The digital radio system components can be classified into three categories, Infrastructure (servers, software, networking equipment and emergency dispatch computers), End User Devices (in-vehicle and portable radios), and Transmission Equipment (broadcasting). As part of the annual maintenance agreement with Motorola, the infrastructure has been upgraded in 2016, 2018 and 2020. End User Devices and Transmission Equipment are not upgraded as part of the Motorola maintenance agreement.

The corporate radio system is governed by a Steering Committee that is chaired by the CAO, and includes the Police Chief, the Fire Chief, the Chief Financial Officer/City Treasurer, the City Solicitor, and other senior leadership members. At its May 2020 meeting, the Steering Committee approved the following recommendation: "THAT that the City of Windsor Radio Communications and Dispatch Steering Committee AUTHORIZE the Windsor Police Service and the Windsor Fire and Rescue Service to commence the portable radio replacement plan outlined in the report to the Steering Committee, dated March 15,

Version Description

Recommendations as noted in the November 2, 2015 Corporate Radio System Infrastructure Upgrade Council Report (Report #18016), approved via CR209/2015:

I. THAT City Council AUTHORIZE a one-time initial transfer of \$6,000,000 from the current Pay-As-You-Go Leasing Reserve fund to establish the new corporate radio system Pay-as-You-Go fund, with all current and subsequent annual transfers and expenditures relating to radios to be directed to and funded from this new Pay-as-You-Go reserve fund.

II. THAT City Council AUTHORIZE a Sole Source procurement, in compliance with applicable City of Windsor policies and by-laws, for the following from Motorola Solutions, to be funded from the new corporate radio system Pay-as-You-Go fund as described in item "I" above.

- Infrastructure upgrade, for a cost of \$1,589,205, plus net taxes
- A four-year System Upgrade Agreement with Security Update Service for an annual cost of \$254,777, plus net taxes

III. THAT City Council AUTHORIZE the Chief Administrative Officer and the City Clerk to sign the required agreements for the infrastructure upgrade and a four-year System Upgrade Agreement with Security Update Service with Motorola Solutions, subject to satisfactory review as to form by the City Solicitor, as to technical content by the Chief Information Officer /Executive Director of Information Technology and as to financial content by the Chief Financial Officer/City Treasurer.

IV. THAT City Council AUTHORIZE the Chief Administrative Officer and the City Clerk to sign a new four-year Motorola Communications System Support Agreement, subject to satisfactory review as to form by the City Solicitor, as to technical content by the Chief Information Officer /Executive Director of Information Technology and as to financial content by the Chief Financial Officer/City Treasurer This agreement will replace the existing Motorola Communications System Support Agreement, in order to realize a \$38,000 per year savings.

V. THAT City Council RECEIVE for information, and provide the approvals within this report with the understanding that these recommendations will result in a recommendation for a 2017 operating budget increase of a maximum of \$700,000 as an increased contribution by various departments, into the Corporate Radio system reserve; possibly lower if offset by community partnerships. Administration will bring the required operating budget issue forward during the 2017 operating budget process along with any possible mitigating measures.

VI. THAT City Council RECEIVE for information, the Corporate Radio System Steering Committee will begin the process of investigating a geo-redundant option for the corporate radio system, and will report its findings, including the upfront and ongoing costs, and related funding requirements to City Council for consideration.

2020.” The plan presented to the Steering Committee is as follows:
The City’s End User Devices were implemented in 2009 with an expected useful service life until approximately 2021-2023. The City was aware that Motorola support (parts, software and labour) for the City’s End User Devices was scheduled to cease in 2019. Note: the City did not have a support and maintenance agreement for End User Devices. Maintenance was provided on a time and materials basis. The City anticipated that the End User Devices would have a useful beyond the end of Motorola support. Motorola’s End of Support Notice is attached as APPENDIX “B”.

The costs of new End User Devices have increased since the 2021/2022 projections were developed in 2015. It is not certain if the projected \$6.2 million would be sufficient to fund the replacement of all City radios. However, the radio support team believes that many of the City radios have useful service life remaining. Specifically, they would be suitable for non-first-responder functions for several years. The following is the recommended strategy from WFRS and WPS to reduce the total cost of radio system ownership and to defer expenditures required for the replacement of End User Devices, relative to the original plan to replace all radios in 2021/2022:

- Identify the portable radio needs at WFRS and WPS (quantities, features and model numbers).
- Issue a Request for Tender to replace the portable radios at WFRS and WPS to ensure that the “out-of-support” portable radios do not cause public safety issues.
 - o Specify “Motorola radios” in the Tender. There are many Motorola certified resellers who will be able to bid on a Tender for Motorola radios. The skills for supporting Motorola radios and the familiarity of using Motorola radios have been established since the 2009 implementation. Additionally, the radio system Infrastructure is a Motorola system. The radios for the other departments and agencies will remain Motorola radios. All WFRS and WPS in-vehicle radios are Motorola radios. The radios at the WFRS and WPS dispatch centers are Motorola radios. If the City considered accepting other radio manufacturers through this Tender, the potential mixed environment would create risks, support inefficiencies, and user inefficiencies that are not acceptable. The City would also have increased hard and soft supports costs related to maintaining two sets of support tools, support software and training. Most importantly, these radios are for first responders on an emergency communications system. Experimenting with a mixed environment is not an acceptable risk.
- Use the retired portable radios from WFRS and WPS as spare radios for the rest of the corporation. If the “out-of-support” portable radios in other areas of the corporation fail, they can quickly be replaced, at no cost, with the spare radios.
- Noting the points below, the recommendation is to not proceed with replacing mobile radios (in-vehicle radios) at WFRS and WPS at this time.
 - o Mobile radios (in-vehicle radios) have a high hardware cost per unit.
 - o Mobile radios (in-vehicle radios) have a high installation cost per unit.
 - o Replacing all Mobile radios (in-vehicle radios) in the WFRS and WPS fleets would create significant overhead costs and operational disruptions.
 - o Replacing Mobile radios (in-vehicle radios) in the WFRS and WPS fleet over the course multiple years, based on planned vehicle replacements and radio failure rates, would save hard costs, soft costs and operational disruptions. Further, having upgraded portable radios mitigates the risk of not upgrading all mobile radios at once.

Given that the costs of new End User Devices have increased since the 2021/2022 projections were developed in 2015, the Steering Committee may need to consider authorizing Finance to examine the feasibility of allocating additional funds to radio replacement projections for 2023 – 2026. These funds could be re-allocated from, a) un-allocated funds in the projection model, b) revenue projection surpluses, and c) expense projection savings. The Steering Committee would have a better understanding of these requirements after the Portable Radio Tender closes.

Based on the above, this Memorandum is recommending that the City of Windsor Radio Communications and Dispatch Steering Committee AUTHORIZE the Windsor Police Service and the Windsor Fire and Rescue Service to commence the portable radio replacement plan outlined in the report to the Steering Committee, dated March 15, 2020.

Project Comments/Reference

7151026 (closed), 7215003
Funding for these projects is from the Corporate Radio Reserve (#198)

Version Comments

Project Forecast

		Revenue		
Year	Total Expense	Net City Cost	Subsidies	
2022	3,100,000	3,100,000	0	
2023	0	0	0	
2024	0	0	0	
2025	1,600,000	1,600,000	0	
2026	600,000	600,000	0	
2027	0	0	0	
2028	0	0	0	
2029	0	0	0	
2030	0	0	0	
2031	0	0	0	
5,300,000		5,300,000	0	

Project Detailed Forecast

GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Expenses											
5110 Machinery & Equipment - TCA											
	3,100,000	0	0	1,600,000	600,000	0	0	0	0	0	5,300,000
Total	3,100,000	0	0	1,600,000	600,000	0	0	0	0	0	5,300,000
Revenues											
198 Pay As You Go Corporate Radios Reserve											
	3,100,000	0	0	1,600,000	600,000	0	0	0	0	0	5,300,000
Total	3,100,000	0	0	1,600,000	600,000	0	0	0	0	0	5,300,000

Historical Approved Budget

		Revenue		
Year	Total Expense	Net City Cost	Subsidies	
2016	3,415,235	3,415,235	0	
2021	3,100,000	3,100,000	0	

Related Projects

Operating Budget Impact

Effective Date	Description	Exp/(Rev)	FTE Impact
Unknown	The radio system upgrade has resulted in a recommendation for a 2019 operating budget increase (2019-0014) as an increased contribution by various departments, into the Corporate Radio System reserve.	0	0

Year Identified | **Start Date** | **Project Type for 2022**

2016 | January 1, 2016 | Growth: 0.0 % Maintenance: 100.0 %

Project Lead

Matt Caplin

Est. Completion Date

2033



Project Version Summary

Project #	POL-001-09	Service Area	Agencies, Boards & Committees
Budget Year	2022	Department	Windsor Police Services
Asset Type	Unassigned	Division	Administration - Police
Title	Windsor Police Service Fleet Replacement/Refurbishment Program		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	City Wide		
Version Name	Main (Active)		

Project Description The Police Fleet reserve was initially created per CR162/2008 dated April 14th, 2008 to fund all future replacements of police vehicles and related major equipment components. This reserve ensures service delivery as it relates to these assets are maintained in an effective manner. Funding of the reserve is accomplished through an annual transfer of funds from the Windsor Police operating budget.	Version Description The fleet replacement schedule is a detailed inventory of major fleet components and related equipment for the organization that is reviewed and updated regularly, and approved by the Windsor Police Services Board. It is based on a six year strategic forecast that is updated annually.
Project Comments/Reference 7091014	Version Comments

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	1,268,000	1,268,000	0	5110	Machinery & Equipment - TCA										
2023	1,268,000	1,268,000	0		1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	12,680,000
2024	1,268,000	1,268,000	0		Total	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	12,680,000
2025	1,268,000	1,268,000	0			0									
2026	1,268,000	1,268,000	0	Revenues											
2027	1,268,000	1,268,000	0	183	Police Fleet										
2028	1,268,000	1,268,000	0		1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	12,680,000
2029	1,268,000	1,268,000	0		Total	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	1,268,000	12,680,000
2030	1,268,000	1,268,000	0			0									
2031	1,268,000	1,268,000	0												
	12,680,000	12,680,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2009	1,100,000	1,100,000	0												
2010	1,100,000	1,100,000	0												
2011	1,200,000	1,200,000	0												
2012	1,200,000	1,200,000	0												
2013	1,200,000	1,200,000	0												
2014	1,268,000	1,268,000	0												
2015	1,268,000	1,268,000	0												
2016	1,268,000	1,268,000	0												
2017	1,268,000	1,268,000	0												
2018	1,268,000	1,268,000	0												
2019	1,268,000	1,268,000	0												
2020	1,268,000	1,268,000	0												
2021	1,268,000	1,268,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	No known operating budget impact.							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2009	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %						Ongoing`							



Project Version Summary

Project #	POL-001-11	Service Area	Agencies, Boards & Committees
Budget Year	2022	Department	Windsor Police Services
Asset Type	Unassigned	Division	Administration - Police
Title	Windsor Police Service - Jefferson Operational Support Services Facility		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description				Version Description											
Based on an approved business case, this project is part of a modernized combined facility featuring an expanded Collision Reporting Centre (CRC), operational and administrative spaces for the WPS Traffic Enforcement Branch, secure storage space for archival data/information, back-up 911 call taking and dispatch functions, secure specialty police vehicle storage, and a police electronic back-up data facility. The project location is an existing property located at 2696 Jefferson Boulevard and the first of two phases of construction was completed in February 2020. Full occupancy of the entire facility commenced March 1st, 2020. Phase two has commenced which includes the backup 911 Centre and backup data facility and the project is anticipated to continue through 2022 and into 2023.				Total estimated project cost is anticipated to be approximately \$3,644,000. In addition to funds currently existing in the project's capital account, additional funds shall be generated through the sale of the property at 5245 County Road 42 (a Council report confirms this), plus funds reallocated from a number of other approved Windsor Police capital projects.											
Project Comments/Reference				Version Comments											
Police project reference #2011-2 7061930															
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Revenue		Expenses											
		Net City Cost	Subsidies												
2022	500,000	500,000	0	5410	Construction Contracts - TCA										
2023	0	0	0		500,000	0	0	0	0	0	0	0	0	0	500,000
2024	0	0	0		Total	500,000	0	0	0	0	0	0	0	0	500,000
2025	0	0	0	Revenues											
2026	0	0	0	160	Capital Expenditure Reserve										
2027	0	0	0		500,000	0	0	0	0	0	0	0	0	0	500,000
2028	0	0	0		Total	500,000	0	0	0	0	0	0	0	0	500,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	500,000	500,000	0												
Historical Approved Budget															
Year	Total Expense	Revenue													
		Net City Cost	Subsidies												
2017	500,000	0	500,000												
2018	630,000	630,000	0												
2019	370,000	370,000	0												

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2011	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Barry Horrobin		0	0
			Effective Date Description Unknown Annual facility costs of operating a building, surrounding property and contribution to a reserve for future capital improvements, similar to what exists for both the Windsor Justice Facility and the Major F. A. Tilston Armoury and Police Training Centre. It is anticipated that because the project will be pursued as a LEED Gold certified development, the annual operating costs per square foot cannot be quantified until a finalized project design is completed but will be less than those for the existing facilities to be replaced.			



Project Version Summary

Project #	POL-001-20	Service Area	Agencies, Boards & Committees
Budget Year	2022	Department	Windsor Police Services
Asset Type	Unassigned	Division	Administration - Police
Title	Advanced Analytics and Process Optimization		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>During the 2020 Capital Budgeting process, \$1,000,000 was requested for Advanced Analytics and Process Optimization in 2026 and another \$1,000,000 in 2027. During the Administrative Review phase of the budgeting process, City of Windsor Finance approved \$250,000 in 2026 and \$250,000 in 2027, and deferred \$2,000,000 to 2028+. The 2021 Capital Budgeting process is considering the budgets for 2028, 2029 and 2030. The recommendation is to now allocate the remaining capital funding across 2028 and 2029.</p> <p>Machine learning and artificial intelligence applies advanced analysis and logic-based techniques to interpret events, support and automate decisions, and take actions. Simply, it is the use of advanced computing and logic to improve decisions and processes. A 2019 Gartner CIO Survey shows that the proportion of organizations employing these technologies has "more than tripled from the previous year; 4% versus 14%. Half of the organizations in the survey intend to employ before the end of 2020." Some police services have already implemented machine learning and artificial intelligence technologies successfully, and almost all services have these technologies on their planning radar. These technologies are evolving rapidly, with capabilities predicted to grow exponentially. The opportunities to transform policing operations through these advanced techniques will be significant for the Windsor Police Service and the public. Some examples include enhancements in communications with the public, workload management and predictive staffing, predictive policing, traffic management, investigative processes, public safety; in general, enhanced service delivery. Given the capital budgeting time horizon and the continuous advancements in machine learning and artificial intelligence, it is imperative to set aside capital funds for WPS to keep pace with the modernization of policing. The capabilities of machine learning and artificial intelligence in 2019 are remarkable; the potential value in 2026/2027 will be a necessity in policing.</p>	
Project Comments/Reference	Version Comments

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5110	Machinery & Equipment - TCA										
2023	0	0	0		0	0	0	0	250,000	250,000	640,000	600,000	600,000	0	2,340,000
2024	0	0	0	Total	0	0	0	0	250,000	250,000	640,000	600,000	600,000	0	2,340,000
2025	0	0	0	Revenues											
2026	250,000	250,000	0	160	Capital Expenditure Reserve										
2027	250,000	250,000	0		0	0	0	0	0	640,000	600,000	600,000	0	1,840,000	
2028	640,000	640,000	0	169	Pay As You Go - Capital Reserve										
2029	600,000	600,000	0		0	0	0	0	250,000	250,000	0	0	0	0	500,000
2030	600,000	600,000	0	Total	0	0	0	0	250,000	250,000	640,000	600,000	600,000	0	2,340,000
2031	0	0	0												
2,340,000		2,340,000	0												
Historical Approved Budget															
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2020	January 1, 2026	Growth: 0.0 % Maintenance: 0.0 %													



Project Version Summary

Project #	POL-001-22	Service Area	Agencies, Boards & Committees
Budget Year	2022	Department	Windsor Police Services
Asset Type	Unassigned	Division	Administration - Police
Title	CCTV Grant for Traffic Cameras		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards			
Version Name	Main (Active)		

Project Description				Version Description												
This grant-funded project will add or replace traffic cameras to various areas throughout the City.																
Project Comments/Reference				Version Comments												
7003326				COMMITMENTS: B28/2021 - C 176 2021 :2022 F169 \$100,000 - 2022 F221 \$100,000 GRANT FUNDING 2022 6310 \$200,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	400,000	200,000	200,000	5110 Machinery & Equipment - TCA												
2023	0	0	0	400,000 0 0 0 0 0 0 0 0 0 0 0 0 400,000												
2024	0	0	0	Total 400,000 0 0 0 0 0 0 0 0 0 0 0 0 400,000												
2025	0	0	0	Revenues												
2026	0	0	0	169 Pay As You Go - Capital Reserve												
2027	0	0	0	0 0 0 0 0 0 0 0 0 0 0 0 0												
2028	0	0	0	169CF Committed Funding												
2029	0	0	0	100,000 0 0 0 0 0 0 0 0 0 0 0 0 100,000												
2030	0	0	0	221 Service Sustainability Investm												
2031	0	0	0	0 0 0 0 0 0 0 0 0 0 0 0 0												
	400,000	200,000	200,000	221CF Committed Funding												
				100,000 0 0 0 0 0 0 0 0 0 0 0 0 100,000												
				6310 Ontario Specific Grants												
				200,000 0 0 0 0 0 0 0 0 0 0 0 0 200,000												
				Total 400,000 0 0 0 0 0 0 0 0 0 0 0 0 400,000												
Historical Approved Budget				Operating Budget Impact												
Related Projects																
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2022		Growth: 50.0 % Maintenance: 50.0 %														



Project Version Summary

Project #	POL-002-19	Service Area	Agencies, Boards & Committees
Budget Year	2022	Department	Windsor Police Services
Asset Type	Unassigned	Division	Administration - Police
Title	Windsor Police Service - Specialized Equipment		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Specialized police equipment including items such as personal protective clothing, use of force options, and investigative enhancements.																
Project Comments/Reference				Version Comments												
7197003																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	150,000	150,000	0	Expenses												
2023	585,000	585,000	0	5110	Machinery & Equipment - TCA											
2024	700,000	700,000	0		150,000	585,000	700,000	795,000	450,000	275,000	745,000	625,000	310,000	605,000	5,240,000	
2025	795,000	795,000	0	Total	150,000	585,000	700,000	795,000	450,000	275,000	745,000	625,000	310,000	605,000	5,240,000	
2026	450,000	450,000	0	Revenues												
2027	275,000	275,000	0	195	Police Equipment Reserve											
2028	745,000	745,000	0		150,000	585,000	700,000	795,000	450,000	275,000	745,000	625,000	310,000	605,000	5,240,000	
2029	625,000	625,000	0	Total	150,000	585,000	700,000	795,000	450,000	275,000	745,000	625,000	310,000	605,000	5,240,000	
2030	310,000	310,000	0													
2031	605,000	605,000	0													
	5,240,000	5,240,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2019	180,000	180,000	0													
2020	100,000	100,000	0													
2021	335,000	335,000	0													
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date								
2019	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %														



Project Version Summary

Project #	POL-003-19	Service Area	Agencies, Boards & Committees
Budget Year	2022	Department	Windsor Police Services
Asset Type	Unassigned	Division	Administration - Police
Title	Windsor Police Service - Technology Projects		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Technology is transforming the way policing is conducted worldwide. The modernization of policing services, through investments in tech, is proving to be a force-multiplier, on three fronts: 1) Improved Effectiveness – enhancing the analysis and presentation of the large volumes police service data significantly improves strategic planning, operational planning and front-line policing by providing information that links and predicts criminal activities and information; 2) Improved Accountability and Management – the improved understanding and measurement of the effectiveness of policing strategies, tactical decisions and individual performance provides objective evidence to make adjustments and continuous improvement decisions; 3) Improved Efficiencies – modern policing technologies are reducing non-value-adding activities and increasing the time spent on core policing duties. In addition to the force multiplier effect of technology investments, the complexity of criminal activity is increasing exponentially and requires a sophisticated police service with modern capabilities to effectively protect the public. A consistent and predictive capital budgeting model for technology is essential for strategic planning for policing services. WPS must maintain and upgrade existing technologies, and implement of new transformative technologies in order to realize the benefits noted above and to keep pace with trends in policing.</p> <p>In addition to projects intended to improve effectiveness, accountability and management, and efficiency, every organization, including WPS, has to make investments into maintaining existing infrastructure, systems and security. These technologies are the foundations of an organization that require continuous improvements through upgrades, expansion and replacement. For every technology that is implemented, life cycle planning for sustainability and continuing to meet organizational needs is required.</p>	
Project Comments/Reference	Version Comments
7197004	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	375,000	375,000	0	5110	Machinery & Equipment - TCA										
2023	425,000	425,000	0		375,000	425,000	425,000	425,000	425,000	350,000	450,000	450,000	450,000	450,000	4,225,000
2024	425,000	425,000	0	Total	375,000	425,000	425,000	425,000	425,000	350,000	450,000	450,000	450,000	450,000	4,225,000
2025	425,000	425,000	0	Revenues											
2026	425,000	425,000	0	195	Police Equipment Reserve										
2027	350,000	350,000	0		375,000	425,000	425,000	425,000	425,000	350,000	450,000	450,000	450,000	450,000	4,225,000
2028	450,000	450,000	0	Total	375,000	425,000	425,000	425,000	425,000	350,000	450,000	450,000	450,000	450,000	4,225,000
2029	450,000	450,000	0												
2030	450,000	450,000	0												
2031	450,000	450,000	0												
4,225,000		4,225,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2019	300,000	300,000	0												
2020	400,000	400,000	0												
2021	501,000	501,000	0												
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2019	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %													



Project Version Summary

Project #	POL-004-19	Service Area	Agencies, Boards & Committees
Budget Year	2022	Department	Windsor Police Services
Asset Type	Unassigned	Division	Administration - Police
Title	Windsor Police Service - Telecommunications		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Effective communications is the most critical aspect of public safety. This consists of communications with the public, communications with patrol officers and WPS staff, and communications with other emergency services. Policing communications is about to enter a significant and sustained period of transformation, which includes a legislated move to Next Generation 911 (NG911), the implementation of the North American public safety broadband spectrum, police mobility initiatives and the replacement of antiquated telephone systems. With the implementation of NG911, information such as text messages, pictures, video, and telematics will be sent directly to 911 from a variety of devices. The WPS Primary Public Safety Answering Point (PPSAP) will require technological upgrades or replacements to all equipment, hardware, software, and workstations.</p> <p>The Windsor Police Service's Primary Public Safety Answering Point (PPSAP) requires a fully functioning, Next Generation 911 compliant back up site at the ready should functionality be lost at the primary site. The back-up site will be a duplicate of the primary site including the phone system, computers, software, monitors, and voice logger that are currently in place.</p> <p>The PPSAP is a 24/7 mission critical environment requiring a comfortable, ergonomic environment. The current workstations were purchased in 2014 and will require future replacement.</p>	
Project Comments/Reference	Version Comments
7197005	This project is in conjunction with Fire's capital project FRS-004-19. The two projects will be jointly executed and funding from both projects is required. Furthermore, only one project ID will be created in the financial system for cost tracking purposes where all funding will be transferred.

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	400,000	400,000	0	5110	Machinery & Equipment - TCA										
2023	425,000	425,000	0		400,000	425,000	400,000	200,000	600,000	800,000	300,000	550,000	300,000	300,000	4,275,000
2024	400,000	400,000	0		Total	400,000	425,000	400,000	200,000	600,000	800,000	300,000	550,000	300,000	4,275,000
2025	200,000	200,000	0	Revenues											
2026	600,000	600,000	0	195	Police Equipment Reserve										
2027	800,000	800,000	0		400,000	425,000	400,000	200,000	600,000	800,000	300,000	550,000	300,000	300,000	4,275,000
2028	300,000	300,000	0		Total	400,000	425,000	400,000	200,000	600,000	800,000	300,000	550,000	300,000	4,275,000
2029	550,000	550,000	0												
2030	300,000	300,000	0												
2031	300,000	300,000	0												
	4,275,000	4,275,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2019	100,000	100,000	0												
2020	525,000	525,000	0												
2021	450,000	450,000	0												
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2019	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Melissa Brindley												



Project Version Summary

Project #	POL-005-19	Service Area	Agencies, Boards & Committees
Budget Year	2022	Department	Windsor Police Services
Asset Type	Unassigned	Division	Administration - Police
Title	Windsor Police Service - Facility Projects		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards			
Version Name	Main (Active)		

Project Description				Version Description													
Based on an extensive facility master planning process used to identify capital asset requirements at all WPS facilities, a prioritized list of projects have been identified; many of which at our HQ facility. The overall goal is to make physical changes that will meet ever-changing needs for service delivery. Emphasis will be placed on optimizing energy conservation, work productivity, and workplace health and safety. Some specific sub-projects include a reconfiguration of the Stores area to improve warehousing capacity and related efficiencies through modernized shelving and inventory management solutions; overhaul of the security card access system to gain efficiencies and improve overall security; re-purposing of public reception and Patrol Division spaces to meet changing service delivery needs; upgrades to the outdoor firing range; and renovations to various Operational Support and Investigative Division spaces.				This overall project is comprised of a number of distinct sub-projects that apply to various locations throughout all WPS facilities – Headquarters, Tilston Training Centre, Sandwich Station, and Jefferson Operational Support Facility													
Project Comments/Reference				Version Comments													
7197006																	
Project Forecast				Project Detailed Forecast													
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total		
Year	Total Expense	Net City Cost	Subsidies	Expenses													
2022	340,000	340,000	0	5110	Machinery & Equipment - TCA												
2023	350,000	350,000	0		340,000	350,000	200,000	250,000	100,000	150,000	150,000	150,000	150,000	150,000	1,990,000		
2024	200,000	200,000	0		Total	340,000	350,000	200,000	250,000	100,000	150,000	150,000	150,000	150,000	1,990,000		
2025	250,000	250,000	0	Revenues													
2026	100,000	100,000	0	195	Police Equipment Reserve												
2027	150,000	150,000	0		340,000	350,000	200,000	250,000	100,000	150,000	150,000	150,000	150,000	150,000	1,990,000		
2028	150,000	150,000	0		Total	340,000	350,000	200,000	250,000	100,000	150,000	150,000	150,000	150,000	1,990,000		
2029	150,000	150,000	0														
2030	150,000	150,000	0														
2031	150,000	150,000	0														
	1,990,000	1,990,000	0														
Historical Approved Budget																	
				Year	Total Expense	Net City Cost	Subsidies										
				2019	200,000	200,000	0										
				2020	475,000	475,000	0										
				2021	560,000	560,000	0										

Related Projects		Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2019		Growth: 0.0 % Maintenance: 100.0 %		



Project Version Summary

Project #	TRN-005-07	Service Area	Agencies, Boards & Committees
Budget Year	2022	Department	Agencies
Asset Type	Unassigned	Division	External Agencies
Title	Handi-Transit Bus Acquisitions		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
Bus replacement vehicles which have been listed annually on the MTO Forms. Cost is estimated based on previous purchases, however, Handi Transit plans to access the Metrolinx project in order to obtain the best price possible before purchasing.	

Project Comments/Reference	Version Comments
(7081003/7091038/7151008/7161043 Closed) 7191019	

Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Revenue													
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>												
2022	120,000	120,000	0												
2023	120,000	120,000	0												
2024	0	0	0												
2025	0	0	0												
2026	555,000	555,000	0												
2027	155,000	155,000	0												
2028	300,000	300,000	0												
2029	300,000	300,000	0												
2030	300,000	300,000	0												
2031	500,000	500,000	0												
	2,350,000	2,350,000	0												
				Expenses											
				5110	Machinery & Equipment - TCA										
					120,000	120,000	0	0	555,000	155,000	300,000	300,000	300,000	500,000	2,350,000
				Total	120,000	120,000	0	0	555,000	155,000	300,000	300,000	300,000	500,000	2,350,000
				Revenues											
				169	Pay As You Go - Capital Reserve										
					120,000	120,000	0	0	555,000	155,000	300,000	300,000	300,000	500,000	2,350,000
				Total	120,000	120,000	0	0	555,000	155,000	300,000	300,000	300,000	500,000	2,350,000

Historical Approved Budget						
				Revenue		
Year	Total Expense	Net City Cost	Subsidies			
2008	440,000	294,000	146,000			
2009	210,000	210,000	0			
2015	360,000	360,000	0			
2016	480,000	480,000	0			
2019	480,000	480,000	0			
2020	240,000	240,000	0			
2021	400,000	400,000	0			

Related Projects			Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date	
2007	January 1, 2015	Growth: 100.0 % Maintenance: 0.0 %	Lori Colenutt	TBD`	
			Effective Date	Description	Exp/(Rev) FTE Impact
			Unknown	Handi-Transit acquired (4) four new buses in 2016, with these new vehicles in the fleet we will have 50% of our fleet that should require minimal maintenance in order to meet and maintain MTO requirements.	0 0



Project Version Summary

Project #	RGC-001-18	Service Area	Agencies, Boards & Committees
Budget Year	2022	Department	Roseland Golf & Country Club
Asset Type	Unassigned	Division	Roseland Operations
Title	Roseland/Little River Golf Courses Asset Replacement/Improvements		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description	Version Description
<p>In a recent audit of the Roseland Golf and Curling Club by Price Waterhouse Cooper the need to develop a strategic / business plan as well as an asset management plan in conjunction with the City's Asset Planning Department was identified.</p> <p>The capital budget request provides for some more of the more immediate capital needs and is supported by reports and conditions of capital assets.</p> <p>Further, the strategic plan completed in 2020 in conjunction with Global Golf Advisors, a third party industry consultant, highlighted that Roseland required capital support to address the aging and inefficient clubhouse. The consultant is now working on a clubhouse feasibility study in 2021, which will provide a more detailed clubhouse recommendation.</p> <p>A new clubhouse will allow Roseland to operate more efficiently and to showcase itself as an updated full service facility, and the only municipally owned Donald Ross designed course in Canada.</p>	
Project Comments/Reference	Version Comments
7184003	COMMITMENTS: CR176/2018 - C 43/2018: 2022 F169 \$100,000 CR261/2019 - C 96/2019: 2022 F169 \$177,000 B6/2021, C 14/2021- RGC-001-18 receiving \$95,616 in reallocated 2020 placeholder funding from the Paul Martin Building project, CAO-001-16

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	2,107,000	2,107,000	0	5110	Machinery & Equipment - TCA										
2023	0	0	0			2,107,000	0	0	250,000	2,759,384	0	0	0	0	5,116,384
2024	0	0	0			Total	2,107,000	0	0	250,000	2,759,384	0	0	0	5,116,384
2025	250,000	250,000	0				0								
2026	2,759,384	2,759,384	0												
2027	0	0	0												
2028	0	0	0												
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	5,116,384	5,116,384	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2021	283,616	188,000	95,616												
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2018	January 1, 2018	Growth: 60.6 % Maintenance: 39.4 %		Dave Deluzio					2023+						



Project Version Summary

Project #	ECP-010-09	Service Area	Agencies, Boards & Committees
Budget Year	2022	Department	Windsor Airport
Asset Type	Unassigned	Division	Windsor-Airport
Title	Airport Various Asset Replacement/Refurbishment/Upgrades		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description	Version Description
<p>YQG has a number of projects involving capital improvements and fleet / equipment. All of the assets at YQG are owned by the City of Windsor.</p>	<p>The COVID-19 Pandemic has had a significant financial impact on all airports, including YQG. As such, City funding to sustain and maintain the assets owned by the Corporation is necessary. The projects listed below are some of the current known requirements. As per agreements and past practice, YQG, in concert with the Airport Coordinating Committee, will determine the priority of projects to leverage available funding.</p> <ul style="list-style-type: none"> - Automatic doors (6 ATB) - Reconstruction of Hayes - Design and rehab of Alpha Taxiway - ATB improvements structural assessment - Design of taxiway and potential hangar development - Design and engineering for 07-25 Runway pavement and high voltage cables and lighting - Replace PAPI on 07-25 and 12-30 - New taxi way construction – front ending - Update refueling tanks and pumps at Operations Building - Replacement of Sand Storage Building - Design and rehab of Delta taxi and Apron III - Replace rooftop heating/cooling units - Renovations and addition to the Operations Centre Building - Air handling units for ATB main floor
Project Comments/Reference	Version Comments
<p>7141054/7141055</p>	<p>Note: As part of this Capital Budget submission, Administration is requesting Council approval to transfer funding between each of Airport funded project ids within PeopleSoft.</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	1,173,000	1,173,000	0	5410	Construction Contracts - TCA											
2023	42,000	42,000	0		1,173,000	42,000	275,000	0	0	0	0	0	0	815,000	2,305,000	
2024	275,000	275,000	0		Total	1,173,000	42,000	275,000	0	0	0	0	0	815,000	2,305,000	
2025	0	0	0			0										
2026	0	0	0		Revenues											
2027	0	0	0	169	Pay As You Go - Capital Reserve											
2028	0	0	0		230,000	42,000	275,000	0	0	0	0	0	0	815,000	1,362,000	
2029	0	0	0	176	Canada Community Benefit Funding- CCBF Reserve											
2030	0	0	0		943,000	0	0	0	0	0	0	0	0	0	943,000	
2031	815,000	815,000	0	6560	Dividends											
					0	0	0	0	0	0	0	0	0	0	0	
	2,305,000	2,305,000	0		Total	1,173,000	42,000	275,000	0	0	0	0	0	815,000	2,305,000	
						0										
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2016	160,000	160,000	0													
2017	460,000	460,000	0													
2018	650,000	159,000	491,000													
2019	4,811,000	0	4,811,000													
2020	2,900,000	0	2,900,000													
Related Projects				Operating Budget Impact												
Precedes	Project Title			Effective Date	Description							Exp/(Rev)	FTE Impact			
ECP-046-07	Airport Drainage and Pavement Improvements			Unknown	These works are all related to replacement and refurbishment of existing equipment and are expected to result in decreased maintenance costs.							0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2009	January 1, 2016	Growth: 0.0 % Maintenance: 100.0 %		France Isabelle Tunks				Ongoing`								



Project Version Summary

Project #	ECP-046-07	Service Area	Agencies, Boards & Committees
Budget Year	2022	Department	Windsor Airport
Asset Type	Unassigned	Division	Windsor-Airport
Title	Airport Drainage and Pavement Improvements		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description YQG has several drainage and pavement related improvements which are being actioned on an ongoing basis.	Version Description As per agreements and past practice, YQG, in concert with the Airport Coordinating Committee, will determine the priority of projects to leverage available funding.
Project Comments/Reference (Closed: 7059011/7111009) 7141054 Drainage/Pavement Improv.	Version Comments As part of this Capital Budget submission, Administration is requesting Council approval to transfer funding between each of Airport funded project ids within PeopleSoft.

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	300,000	300,000	0	5410	Construction Contracts - TCA										
2023	195,000	195,000	0		300,000	195,000	0	0	1,450,000	100,000	100,000	100,000	100,000	100,000	2,445,000
2024	0	0	0		Total	300,000	195,000	0	0	1,450,000	100,000	100,000	100,000	100,000	2,445,000
2025	0	0	0	Revenues											
2026	1,450,000	1,450,000	0	028	Sewer Surcharge										
2027	100,000	100,000	0		150,000	95,000	0	0	1,350,000	0	0	0	0	0	1,595,000
2028	100,000	100,000	0	160	Capital Expenditure Reserve										
2029	100,000	100,000	0		125,000	100,000	0	0	0	0	0	0	0	0	225,000
2030	100,000	100,000	0	169	Pay As You Go - Capital Reserve										
2031	100,000	100,000	0		25,000	0	0	0	100,000	100,000	100,000	100,000	100,000	100,000	625,000
	2,445,000	2,445,000	0	Total	300,000	195,000	0	0	1,450,000	100,000	100,000	100,000	100,000	100,000	2,445,000
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2009	250,000	250,000	0												
2010	310,000	310,000	0												
2011	660,000	660,000	0												
2012	660,000	510,000	150,000												
2013	260,000	260,000	0												
2014	400,000	400,000	0												
2015	150,000	150,000	0												
2016	650,000	650,000	0												
2017	460,000	460,000	0												
2018	140,000	140,000	0												
2019	345,000	345,000	0												
2020	380,000	380,000	0												
2021	380,000	380,000	0												
Related Projects				Operating Budget Impact											
Follows		Project Title		Effective Date	Description							Exp/(Rev)	FTE Impact		
ECP-010-09		Airport Various Asset Replacement/Refurbishment/Upgrades		Unknown	These works are all related to rehabilitation and repair of existing Airport facilities and are expected to result in decreased operating costs, going forward.							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2007	January 1, 2015	Growth: 50.0 % Maintenance: 50.0 %		France Isabelle Tunks					Ongoing`						

2022 Approved Capital Budget



Capital Project Summaries

CAO's Office



Project Version Summary

Project #	CAO-001-16	Service Area	Administration & Respresentation
Budget Year	2022	Department	CAO's Office
Asset Type	Unassigned	Division	Administration - CAO's Office
Title	Paul Martin Bldg. Placeholder		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description				Version Description												
A transfer of the Paul Martin building on Ouellette Avenue has taken place and repurposing of the building continues. These placeholder amounts are included within the capital budget for the purposes of funding any future improvements and/or economic development costs which may be required in conjunction with this building. A total expenditure of \$15.0M has been allotted in principle (placeholder) from the 2020 to 2025.																
Project Comments/Reference				Version Comments												
7211061-PMB Elevator Modernization				PLACEHOLDER: B8/2019 - C226/2019: 2022 F169 \$1,750,000 - 2023 F169 \$1,926,540 - 2024 F169 \$917,540 - 2025 F169 \$4,610,304 - 2025 F160 \$550,000. CR477/2021 IN-CAMERA 2022 F169 \$260,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	260,000	260,000	0													
2023	0	0	0													
2024	0	0	0													
2025	1,004,384	1,004,384	0													
2026	0	0	0													
2027	0	0	0													
2028	0	0	0													
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	1,264,384	1,264,384	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2021	500,000	500,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	No Operating Budget Impart							0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead				Est. Completion Date									

2016	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Jason Reynar	2025`
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Project Version Summary

Project #	CAO-002-18	Service Area	Administration & Respresentation
Budget Year	2022	Department	CAO's Office
Asset Type	Unassigned	Division	Administration - CAO's Office
Title	New Windsor-Essex Hospital System Plan		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description				Version Description											
Contribution to the reserve fund for the municipality's share of the new Windsor-Essex Hospital System Plan.															
Project Comments/Reference				Version Comments											
				PLACEHOLDER: CR282/2016 - R18193: 2023 to 2027 F169 \$6.9m annually- 2028 F169 \$6.2m											
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Revenue				Expenses											
Year	Total Expense	Net City Cost	Subsidies												
2022	0	0	0	4250	TRANSFER to Reserve Fund										
2023	6,900,000	6,900,000	0		0	6,900,000	6,900,000	6,900,000	6,900,000	6,900,000	6,200,000	0	0	0	40,700,000
2024	6,900,000	6,900,000	0		Total	0	6,900,000	6,900,000	6,900,000	6,900,000	6,200,000	0	0	0	40,700,000
2025	6,900,000	6,900,000	0	Revenues											
2026	6,900,000	6,900,000	0	169CF	Committed Funding										
2027	6,900,000	6,900,000	0		0	6,900,000	6,900,000	6,900,000	6,900,000	6,200,000	0	0	0	40,700,000	
2028	6,200,000	6,200,000	0		Total	0	6,900,000	6,900,000	6,900,000	6,900,000	6,200,000	0	0	0	40,700,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	40,700,000	40,700,000	0												
Historical Approved Budget															
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2018	January 1, 2023	Growth: 0.0 % Maintenance: 0.0 %	TBD	2028`											

2022 Approved Capital Budget



Capital Project Summaries

Community Services



Project Version Summary

Project #	WPL-001-17	Service Area	Community Services
Budget Year	2022	Department	Library Services
Asset Type	Unassigned	Division	Administration - Library
Title	Windsor Public Library Refurbishments		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																																																																																																																																																																														
Libraries get significant "wear and tear" from repeated public usage and require regular refurbishment, such as painting, new customer seating, children's seating, shelving improvements and study surfaces every 8 to 10 years to protect the capital investment and assure sustainability. WPL Administration maintains a refurbishment plan and carries out priorities based on the capital budget allocation provided by the City.				Current priorities include painting, flooring replacements, shelving improvements and furniture replacements at the Fontainebleau, Bridgeview and Forest Glade branches.																																																																																																																																																																																																																																																																																																																																																																														
Project Comments/Reference				Version Comments																																																																																																																																																																																																																																																																																																																																																																														
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2017	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Nancy Peel & Christine Arkell					Ongoing																																																																																																																																																																																																																																																																																																																																																																										



Project Version Summary

Project #	WPL-001-20	Service Area	Community Services
Budget Year	2022	Department	Library Services
Asset Type	Unassigned	Division	Administration - Library
Title	WPL Electronic Signs		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Purchase and installation of electronic signs at select library facilities.				Priority library locations for the installation of electronic signs are the Forest Glade, Riverside, Seminole, John Muir and Budimir branches.												
Project Comments/Reference				Version Comments												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	0	0	0	5130 Furniture & Furnishings												
2023	0	0	0		0	0	0	0	0	0	90,000	0	92,000	182,000		
2024	0	0	0	Total	0	0	0	0	0	0	90,000	0	92,000	182,000		
2025	0	0	0	Revenues												
2026	0	0	0	169 Pay As You Go - Capital Reserve												
2027	0	0	0		0	0	0	0	0	0	90,000	0	92,000	182,000		
2028	0	0	0	Total	0	0	0	0	0	0	90,000	0	92,000	182,000		
2029	90,000	90,000	0													
2030	0	0	0													
2031	92,000	92,000	0													
	182,000	182,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2020		Growth: 0.0 % Maintenance: 0.0 %	TBD	2027												



Project Version Summary

Project #	WPL-002-18	Service Area	Community Services
Budget Year	2022	Department	Library Services
Asset Type	Unassigned	Division	Administration - Library
Title	Windsor Public Library Materials Acquisitions		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
The development charges component of the Library Board capital program includes a provision of \$1.0 million to cover the cost of materials acquisitions over the ten-year planning period. This acquisition will assist in servicing areas of Windsor with significant residential growth without expenditures on bricks and mortar. Our materials are popular and in constant demand and new materials are regularly expected by our customers. Within a budget conscious environment, the Windsor Public Library wishes to remain relevant, in particular with respect to Wards 1, 7 & 9 - the wards which have experienced significant residential growth.	The funds have been designated to purchase library books/videos and e-resources to serve areas with significant residential growth (i.e. Wards 1/7/9) thereby reducing the need for more library facilities. The proposed plan going forward to use Development Charge funding to support library collections and outreach in areas where a public library is not easily accessible. There will be no operating impact.

Project Comments/Reference	Version Comments
7145000	

Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		<u>Net City Cost</u>	<u>Subsidies</u>	Expenses											
2022	125,000	125,000	0	2085 Publications and Manuals											
2023	125,000	125,000	0		125,000	125,000	150,000	150,000	150,000	150,000	200,000	200,000	0	150,000	1,400,000
2024	150,000	150,000	0	Total	125,000	125,000	150,000	150,000	150,000	150,000	200,000	200,000	0	150,000	1,400,000
2025	150,000	150,000	0	Revenues											
2026	150,000	150,000	0	122 Dev Chg - Library											
2027	150,000	150,000	0		125,000	125,000	150,000	150,000	150,000	150,000	200,000	200,000	0	150,000	1,400,000
2028	200,000	200,000	0	Total	125,000	125,000	150,000	150,000	150,000	150,000	200,000	200,000	0	150,000	1,400,000
2029	200,000	200,000	0												
2030	0	0	0												
2031	150,000	150,000	0												
	1,400,000	1,400,000	0												

Historical Approved Budget			
Year	Total Expense	Revenue	
		<u>Net City Cost</u>	<u>Subsidies</u>
2019	175,000	175,000	0
2020	150,000	150,000	0
2021	150,000	150,000	0

Related Projects			Operating Budget Impact	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2018	January 1, 2022	Growth: 0.0 % Maintenance: 100.0 %	Kitty Pope	Ongoing`



Project Version Summary

Project #	WPL-002-20	Service Area	Community Services
Budget Year	2022	Department	Library Services
Asset Type	Unassigned	Division	Administration - Library
Title	Library Self Checkouts		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Scheduled replacement of library self-checkout machines.																
Project Comments/Reference				Version Comments												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	0	0	0	5110	Machinery & Equipment - TCA											
2023	0	0	0		0	0	0	0	0	40,000	40,000	80,000	55,000	215,000		
2024	0	0	0		Total	0	0	0	0	40,000	40,000	80,000	55,000	215,000		
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		0	0	0	0	0	40,000	40,000	80,000	55,000	215,000		
2028	40,000	40,000	0		Total	0	0	0	0	40,000	40,000	80,000	55,000	215,000		
2029	40,000	40,000	0													
2030	80,000	80,000	0													
2031	55,000	55,000	0													
	215,000	215,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2020		Growth: 0.0 % Maintenance: 0.0 %	TBD	TBD`												



Project Version Summary

Project #	WPL-002-22	Service Area	Community Services
Budget Year	2022	Department	Library Services
Asset Type	Unassigned	Division	Administration - Library
Title	WPL Scanners		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Digitization refers to the act of transforming anything analog into a digital representation that computer systems can utilize to automate operations or workflows. Digitized information is easier to store, retrieve, and distribute.</p> <p>Digitization of historically significant materials has become an important step in ensuring equitable public access to Library materials.</p> <p>The WPL currently has one digital scanner located in an East location and plans to invest in two more scanners to be used in the West and Central locations. The scanners will be accessible for public and staff use. Private citizens, clubs, churches and other groups will be able to visit Library Branches to access scanners to digitize and preserve photos and documents of personal and historical significance. As there has been a demand to make information accessible to the public, especially during COVID-19 lockdowns, investing in two more scanners will result in digitizing a greater percentage of WPL's collections principally the Local History, the Automotive Archives and historically significant or rare books which are no longer under copyright protection.</p> <p>A motion was passed by the Board on August 17, 2021 approving the purchase of two scanners.</p>	
Project Comments/Reference	Version Comments
7221030	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	30,000	30,000	0	5111	Machinery & Equipment -Non TCA										
2023	0	0	0		30,000	0	0	0	0	0	0	0	0	0	30,000
2024	0	0	0		Total	30,000	0	0	0	0	0	0	0	0	30,000
2025	0	0	0	Revenues											
2026	0	0	0	199	WPL - Capital Reserve										
2027	0	0	0		30,000	0	0	0	0	0	0	0	0	0	30,000
2028	0	0	0		Total	30,000	0	0	0	0	0	0	0	0	30,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	30,000	30,000	0												
Historical Approved Budget															
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2022		Growth: 0.0 % Maintenance: 100.0 %		Kitty Pope					2022`						



Project Version Summary

Project #	ENG-006-17	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Windsor International Aquatic Training Centre – Ongoing Capital Maintenance		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description				Version Description												
The Windsor International Aquatic Training Centre (WIATC) including Adventure Bay is a unique facility. It has a vast array of equipment that is used to run the facility as well as the specialized equipment associated with the waterpark and diving facility. In addition, the warranty for the equipment in the facility is now expired so this program will fund necessary replacement of components or equipment. It will include replacement and capital repairs of equipment, amusement devices, specialized HVAC equipment, pumps, water treatment equipment, etc. Other capital needs include replacement of safety features as well as capital repairs/replacements of items that support the unique functions of the facility.				The funding will be assigned on a priority basis. Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.												
Project Comments/Reference				Version Comments												
7189001																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Expenses												
		Net City Cost	Subsidies	5410	Construction Contracts - TCA											
2022	150,000	150,000	0		150,000	150,000	971,500	568,500	150,000	150,000	300,000	300,000	300,000	350,000	3,390,000	
2023	150,000	150,000	0													
2024	971,500	971,500	0													
2025	568,500	568,500	0													
2026	150,000	150,000	0													
2027	150,000	150,000	0													
2028	300,000	300,000	0													
2029	300,000	300,000	0													
2030	300,000	300,000	0													
2031	350,000	350,000	0													
	3,390,000	3,390,000	0													
Historical Approved Budget				Revenues												
Year	Total Expense	Revenue		209	WIATC Capital Maintenance Rve											
2018	75,000	75,000	0		0	0	150,000	150,000	0	0	0	0	0	0	300,000	
2019	200,000	200,000	0													
2020	80,000	80,000	0													
				221	Service Sustainability Investm											
					150,000	150,000	821,500	418,500	150,000	150,000	300,000	300,000	300,000	350,000	3,090,000	
					Total	150,000	150,000	971,500	568,500	150,000	150,000	300,000	300,000	300,000	350,000	3,390,000

Related Projects		Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
			Effective Date Description Unknown A minimum \$50,000 impact to operating budget per year if the non-slip floor coating is not funded.	Exp/(Rev) FTE Impact 0 0
2017		Growth: 0.0 % Maintenance: 100.0 %	Daryel Brisebois	Ongoing`



Project Version Summary

Project #	ENG-007-17	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Facility Equipment Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																												
To repair and replace maintenance equipment within Facilities. This equipment is costly to repair/replace and many items are reaching the end of their useful life. Annual funding is being requested to replace/repair aging maintenance equipment, such as floor cleaning equipment, compressors, lifts etc. This budget will ensure that funds are available when maintenance equipment throughout Facilities fails or needs replacement.				The following project requires an annual allotment of \$50,000 in 2022-2028, and 2031 to fund the replacement of facility maintenance equipment. The annual funds will be assigned on a priority basis based on the overall needs for maintenance equipment within the various facilities maintained by the Facilities division. Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.																																																																																																																																																												
Project Comments/Reference				Version Comments																																																																																																																																																												
7221038																																																																																																																																																																
Project Forecast				Project Detailed Forecast																																																																																																																																																												
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				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total																																																																																																																																																	
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				Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	0	0	50,000	400,000																																																																																																																																																	
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Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date																																																																																																																																																							
2017	January 1, 2022	Growth: 0.0 % Maintenance: 100.0 %		Tom Graziano					Ongoing`																																																																																																																																																							



Project Version Summary

Project #	ENG-010-17	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Capitol Theatre Capital Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description				Version Description												
The Capitol Theatre requires funding for capital maintenance and replacement to maintain the building and equipment within.				<p>Specific work identified at this time is as follows: 2022 - Plaster Repairs (\$200,000) 2024 to 2030 - funding to be prioritized based on Building Condition Assessments and other identified needs</p> <p>Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>												
Project Comments/Reference				Version Comments												
7129000 also REC-002-12 (CLOSED) 7183008 (was ECB-010-18 - Enhanced Capital Budget 2018)																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Expenses												
		Net City Cost	Subsidies	5410	Construction Contracts - TCA											
2022	200,000	200,000	0		200,000	0	750,000	750,000	0	0	100,000	100,000	100,000	0	2,000,000	
2023	0	0	0													
2024	750,000	750,000	0		Total	200,000	0	750,000	750,000	0	0	100,000	100,000	100,000	0	2,000,000
2025	750,000	750,000	0	Revenues												
2026	0	0	0	221	Service Sustainability Investm											
2027	0	0	0		200,000	0	750,000	750,000	0	0	100,000	100,000	100,000	0	2,000,000	
2028	100,000	100,000	0		Total	200,000	0	750,000	750,000	0	0	100,000	100,000	100,000	0	2,000,000
2029	100,000	100,000	0													
2030	100,000	100,000	0													
2031	0	0	0													
	2,000,000	2,000,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2019	40,000	40,000	0													
2020	560,000	560,000	0													
2021	250,000	250,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description									Exp/(Rev)	FTE Impact	
				Unknown	The lack of capital funding would result in deferral of repairs and increase the likelihood of additional spending in the operating budget.									0	0	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												

2017	January 1, 2020	Growth: 0.0 % Maintenance: 100.0 %	Derek Thachuk	Ongoing`
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Project Version Summary

Project #	ENG-011-17	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	400 City Hall Square - Capital Repairs		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description				Version Description											
Funds to cover facility repairs/replacements at 400 CHS.				<p>Specific work identified at this time is as follows: 2023-2024 - HVAC Equipment Replacements (\$1,700,000) and Fire Alarm System Replacement (\$120,000) 2026 to 2031 - Funding to be prioritized based on Building Condition Assessments and other identified needs</p> <p>Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>											
Project Comments/Reference				Version Comments											
7171011															
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Revenue		Expenses											
		Net City Cost	Subsidies												
2022	0	0	0	5410	Construction Contracts - TCA										
2023	129,700	129,700	0		0	129,700	1,690,300	0	500,000	500,000	100,000	100,000	100,000	100,000	3,220,000
2024	1,690,300	1,690,300	0	Total	0	129,700	1,690,300	0	500,000	500,000	100,000	100,000	100,000	100,000	3,220,000
2025	0	0	0	Revenues											
2026	500,000	500,000	0	186	400 City Hall Square E.										
2027	500,000	500,000	0		0	129,700	1,690,300	0	500,000	500,000	100,000	100,000	100,000	100,000	3,220,000
2028	100,000	100,000	0	221	Service Sustainability Investm										
2029	100,000	100,000	0		0	0	0	0	0	0	0	0	0	0	0
2030	100,000	100,000	0	Total	0	129,700	1,690,300	0	500,000	500,000	100,000	100,000	100,000	100,000	3,220,000
2031	100,000	100,000	0												
	3,220,000	3,220,000	0												
Historical Approved Budget															
Year	Total Expense	Revenue													
		Net City Cost	Subsidies												
2017	100,000	100,000	0												
2019	300,000	300,000	0												
2020	700,000	700,000	0												
2021	500,000	500,000	0												
Related Projects				Operating Budget Impact											

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2017	January 1, 2017	Growth: 0.0 % Maintenance: 0.0 %	Tom Graziano	Ongoing`



Project Version Summary

Project #	HCP-002-07	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Corporate Facilities Roof Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>The corporate roof replacement program has been revised to reflect the highest priority based on available funding. It should be noted, roofs which will not be replaced until funds are available will continue to deteriorate resulting in either emergency repairs and/or eventual, untimely and unfunded roof replacements.</p>	<p>Version Description</p> <p>The City of Windsor has several building roofs that need attention. Jobs have been prioritized and estimated according to current status.</p> <p>Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>
<p>Project Comments/Reference</p> <p>See document attached for complete listing. 7085008</p>	<p>Version Comments</p> <p>COMMITMENT: CR7/2022 - C 197/2022: F221 2022 \$210,000 (Replacement of roof at 4150 Sandwich Street)</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	400,000	400,000	0	5410	Construction Contracts - TCA											
2023	400,000	400,000	0		400,000	400,000	400,000	400,000	1,200,000	200,000	1,150,000	2,820,000	1,560,000	1,525,000	10,055,000	
2024	400,000	400,000	0		Total	400,000	400,000	400,000	400,000	1,200,000	200,000	1,150,000	2,820,000	1,560,000	1,525,000	10,055,000
2025	400,000	400,000	0	Revenues												
2026	1,200,000	1,200,000	0	221	Service Sustainability Investm											
2027	200,000	200,000	0		200,000	400,000	400,000	400,000	1,200,000	200,000	1,150,000	2,820,000	1,560,000	1,525,000	9,855,000	
2028	1,150,000	1,150,000	0	221CF	Committed Funding											
2029	2,820,000	2,820,000	0		200,000	0	0	0	0	0	0	0	0	0	200,000	
2030	1,560,000	1,560,000	0		Total	400,000	400,000	400,000	400,000	1,200,000	200,000	1,150,000	2,820,000	1,560,000	1,525,000	10,055,000
2031	1,525,000	1,525,000	0													
	10,055,000	10,055,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2007	150,000	150,000	0													
2008	525,000	525,000	0													
2009	285,000	285,000	0													
2010	700,000	700,000	0													
2011	740,000	740,000	0													
2012	372,167	372,167	0													
2014	355,320	355,320	0													
2015	413,400	413,400	0													
2016	456,000	456,000	0													
2017	1,293,800	1,293,800	0													
2018	471,100	471,100	0													
2019	415,400	415,400	0													
2020	1,330,500	1,330,500	0													
2021	410,000	410,000	0													
Related Projects				Operating Budget Impact												
Follows		Project Title		Effective Date	Description							Exp/(Rev)	FTE Impact			
ENG-005-16		2437 Howard Ave. Improvements Placeholder		Unknown	The lack of capital funding for these works will result in the deferral of repairs, further deterioration of the aging facilities, and increase in the likelihood of over-expenditures in the operating budget when emergency repairs must be undertaken for operational and/or legislative reasons.							0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2007	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Tom Graziano/Mel Douglas					Ongoing							

ROOF BUDGET

BUILDING	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2022-2031 Total	2032
1 Willistead Manor, Coach House, Gate House Repairs	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000						50,000	
2 Willistead Manor, Coach House, Gate House Replacement	\$210,000	\$260,000									470,000	
3 MacKenzie Hall (flat roof)											-	
4 Roseland Golf Club											-	
5 Bridgeview Library											-	
6 Seminole Library											-	
7 Glengary Community Centre (Gym Area)											-	
8 Gino A Marcus CC		\$130,000	\$390,000								520,000	
9 Pump Stations at Little River Yard											-	
10 2450 McDougall											-	
11 Optimist Memorial Park Washrooms and Storage											-	
12 Remington Outdoor Pool Building											-	
13 Charles Clark (zamboni building)											-	
14 Charles Clark (concession building)											-	
15 Jefferson Police Station TBD	\$180,000										180,000	
16 2437 Howard (former Angileri Building)**											-	
17 Central Heat Building at City Hall				\$20,000							20,000	
18 Fire Apparatus (Kew Drive)				\$40,000	\$140,000						180,000	
19 Public Works Administration (1266 McDougall)				\$280,000							280,000	
21 Misc Parks Buildings				\$50,000	\$50,000						100,000	
22 Windsor Justice Facility (WJF)						-					-	
23 Capri Recreation Complex									\$650,000	\$1,250,000	1,900,000	
24 Fire Hall #3 - 2750 Ouellette Ave						\$105,000					105,000	
25 Crawford Yard - Carpenter Shop						\$95,000					95,000	
26 400 CHS					\$1,000,000						1,000,000	
27 Computers4Kids - 4100 Sandwich Street							\$450,000				450,000	
28 WJF									\$0		-	
29 DND								\$1,700,000			1,700,000	
30 930 Mercer							\$0		\$230,000		230,000	
31 North Service Road Transfer Station-Admin Bldg								\$195,000			195,000	
32 Atkinson Pool Park Washrooms							\$0	\$18,000			18,000	
33 1231 Mercer									\$160,000		160,000	
34 Lou Romano - Dewatering, Grit, Electrical Buildings							\$0	\$650,000			650,000	
35 Lanspeary Arena (overlay metal roof, plus remove/reinstall solar system)						\$0	\$0	\$340,000			340,000	
36 Baby House							\$0	\$45,000			45,000	
37 WFCU									\$0	\$0	-	\$3,500,000
38 Paul Martin Building							\$0				-	\$700,000
39 FH1										\$275,000	275,000	
40 1269 Mercer											-	\$390,000
41 Capitol Theatre							\$500,000				500,000	
42 Misc as per BCA							\$200,000	\$212,000	\$180,000		592,000	
											-	
TOTAL REQUESTED:	\$400,000	\$400,000	\$400,000	\$400,000	\$1,200,000	\$200,000	\$1,150,000	\$2,820,000	\$1,560,000	\$1,525,000	\$10,055,000	\$4,590,000

**NOTE: 2437 Howard Roof funding was pre-committed in the 2020 budget year as per CR649/2017

Funding reallocated by Asset Planning during the year

20 Adie Knox Arena					\$500,000							
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F403



Project Version Summary

Project #	HCP-002-09	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Fire Hall Capital Refurbishment Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
This project is used for all Fire Hall capital repairs that are prioritized annually by Facilities in consultation with Fire. Fire & Rescue facilities are unique in that they serve an emergency response function, with staff living in them and operate 24 hours a day. With the exception of the construction of the new Fire Hall 7, completed in 2012, and Fire Hall 2, completed in 2015, and Fire Hall 5, completed in 2017, the average age of the Fire & Rescue facilities is 27 years and many of the building components are past their life expectancy. These facilities are experiencing greater capital investment needs to maintain, repair or replace aging components.	<p>Fire Halls require funds for repairs/replacements as needed.</p> <p>Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>

Project Comments/Reference	Version Comments
7091015	

Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Net City Cost	Subsidies												
2022	100,000	100,000	0	5410 Construction Contracts - TCA											
2023	150,000	150,000	0		100,000	150,000	0	0	0	150,000	0	0	0	0	400,000
2024	0	0	0	Total	100,000	150,000	0	0	0	150,000	0	0	0	0	400,000
2025	0	0	0	Revenues											
2026	0	0	0	221 Service Sustainability Investm											
2027	150,000	150,000	0		100,000	150,000	0	0	0	150,000	0	0	0	0	400,000
2028	0	0	0	Total	100,000	150,000	0	0	0	150,000	0	0	0	0	400,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	400,000	400,000	0												

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2009	150,750	150,750	0
2012	150,000	0	150,000
2014	210,000	0	210,000
2016	59,500	59,500	0
2017	150,000	150,000	0
2018	150,000	150,000	0

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2009	January 2, 2016	Growth: 0.0 % Maintenance: 100.0 %	Tom Graziano	Ongoing`	0	0



Project Version Summary

Project #	HCP-005-08	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Corporate Facilities Paving Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>Some of the asphalt paving and concrete approaches at Corporate Facilities are beyond their life expectancy or have become damaged. This includes cracked and uneven surfaces which cause trip hazards, allow water to penetrate the surface which will erode the base layer and ultimately speed up the deterioration of the surface layer. In extreme cases it causes vehicle damage. Depressions allow ponding water to freeze/thaw cycle which can quickly break up materials. The repairs to these surfaces will reduce vehicle wear and damage as well as reduce liability associated with trip and fall incidents.</p>	<p>Version Description</p> <p>Repair of asphalt paving and concrete approaches city wide that are beyond their life expectancy or have become damaged on a priority basis. This project requires annual funding of \$100,000 in 2022-2023, 2025 and 2027 to be prioritized based on need.</p> <p>Specific work identified at this time is as follows: 2022 - WFCU Parking Lot (\$970,000) 2024 - WFCU Parking Lot (\$315,000) / Funding to be prioritized based on Building Condition Assessments and other identified needs (\$2,000,000) 2025 - WFCU Parking Lot (\$2,000,000) and Willistead Parking Lot (\$400,000), Huron Lodge Parking Lot (\$650,000) 2028 - 2437 Howard Ave. Parking Lot (\$750,000) / Lakeview Park Marina Parking Lot (\$250,000 - from REC-002-07) 2029 - Lakeview Park Marina Parking Lot (\$150,000 - from REC-002-07) /Funding to be prioritized based on Building Condition Assessments and other identified needs (\$850,000) 2030 - Funding to be prioritized based on Building Condition Assessments and other identified needs (\$1,000,000) 2031 - Funding to be prioritized based on Building Condition Assessments and other identified needs (\$850,000)</p> <p>Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>
<p>Project Comments/Reference</p> <p>7101016, 7204001 (WFCU Parking Lot Addition)</p>	<p>Version Comments</p> <p>COMMITMENT: CR144/2020 - C 67/2020 (7204001) : 2022 F221 \$970,000 - 2024 F221 \$315,000</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	1,070,000	1,070,000	0	5410	Construction Contracts - TCA											
2023	100,000	100,000	0		1,070,000	100,000	2,315,000	3,150,000	0	100,000	1,000,000	1,000,000	1,000,000	850,000	10,585,000	
2024	2,315,000	2,315,000	0		Total	1,070,000	100,000	2,315,000	3,150,000	0	100,000	1,000,000	1,000,000	1,000,000	850,000	10,585,000
2025	3,150,000	3,150,000	0			0										
2026	0	0	0		Revenues											
2027	100,000	100,000	0	221	Service Sustainability Investm											
2028	1,000,000	1,000,000	0		100,000	100,000	2,000,000	3,150,000	0	100,000	1,000,000	1,000,000	1,000,000	850,000	9,300,000	
2029	1,000,000	1,000,000	0	221CF	Committed Funding											
2030	1,000,000	1,000,000	0		970,000	0	315,000	0	0	0	0	0	0	0	1,285,000	
2031	850,000	850,000	0		Total	1,070,000	100,000	2,315,000	3,150,000	0	100,000	1,000,000	1,000,000	1,000,000	850,000	10,585,000
	10,585,000	10,585,000	0			0										
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2008	49,500	49,500	0													
2009	34,000	34,000	0													
2010	30,000	30,000	0													
2015	128,500	128,500	0													
2016	100,000	100,000	0													
2017	600,000	600,000	0													
2018	150,000	150,000	0													
2019	100,000	100,000	0													
2021	1,215,000	1,215,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	No operating budget impact.							0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2008	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Tom Graziano	Ongoing`												



Project Version Summary

Project #	HCP-010-07	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Willistead Complex Capital Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 4		
Version Name	Main (Active)		

Project Description	Version Description
<p>The expenditures identified are capital in nature designed to maintain the operational integrity of this heritage complex. These necessary improvements are aligned with the recommendation resulting from a 2003 study initiated by the City of Windsor and contained in a published document authored by the Architect George Robb "A Condition Assessment Strategy for Repairs and Maintenance of Heritage Properties".</p>	<p>The Willistead Complex requires an annual allotment of \$200,000 in 2022, \$50,000 in 2027 and \$75,000 in 2028-2030 for repairs and maintenance as needed.</p> <p>Specific work identified at this time is as follows: 2022 - Front Courtyard Restoration (\$450,000), Willistead Fencing (\$450,000), Exterior Painting (\$100,000), and Willistead Fencing (\$450,000) 2025 - Willistead Fencing (\$500,000) 2026 - Willistead Fencing (\$1,000,000) 2027 - Basement Restoration and Interior Painting (\$500,000)</p> <p>Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>
Project Comments/Reference	Version Comments
<p>7062048/7171061 (Closed) 7125002 / 7195000 (One Time FGT 2019)</p>	

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	1,650,000	1,650,000	0	5410	Construction Contracts - TCA											
2023	0	0	0		1,650,000	0	0	500,000	1,000,000	550,000	75,000	75,000	75,000	0	3,925,000	
2024	0	0	0		Total	1,650,000	0	0	500,000	1,000,000	550,000	75,000	75,000	75,000	0	3,925,000
2025	500,000	500,000	0			0										
2026	1,000,000	1,000,000	0													
2027	550,000	550,000	0													
2028	75,000	75,000	0													
2029	75,000	75,000	0													
2030	75,000	75,000	0													
2031	0	0	0													
	3,925,000	3,925,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2007	50,000	50,000	0													
2008	50,000	50,000	0													
2010	20,000	20,000	0													
2011	20,000	20,000	0													
2012	20,000	20,000	0													
2016	750,000	750,000	0													
2017	750,000	750,000	0													
2019	680,000	680,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	No operating budget impact.							0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2012	January 1, 2012	Growth: 0.0 % Maintenance: 100.0 %		Jan Wilson/Tom Graziano				Ongoing`								



Project Version Summary

Project #	OPS-007-07	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Public Works Operations Facilities Refurbishment		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Ongoing improvements to Public Works buildings including Crawford Yard, Environmental Yard and Traffic Operations based on priority.</p> <p>The Maintenance, Contracts, Field Services, and Fleet Divisions are headquartered at the Crawford Yard Facility. Satellite locations for these divisions include the east end winter control salt storage and administrative trailer at 3540 N. Service Rd.</p> <p>Crawford Yard Facility was converted from prior industrial uses to accommodate Public Works staff over 45 years ago. There is a salt dome and 4 buildings with material storage/processing areas on-site. Rehabilitation and renovation are required on an ongoing basis due to changes in technological and operational requirements and the age of the various buildings and the site.</p>	<p>An annual allotment of \$25,000 in 2024-2027, and in 2031 for various repairs, to address health & safety issues, unexpected needs and to perform proper maintenance is also needed.</p> <p>Specific work identified at this time is as follows:</p> <p>2022-2023 - Crawford Yard Shop Floor Drain Repairs (\$800,000), Crawford Boiler Replacement (\$200,000) and Environmental Security Camera Replacement (\$35,000)</p> <p>2028 - Traffic Sign Shop Ventilation (\$100,000)</p> <p>2029 - Crawford Yard Mechanical Upgrades (\$500,000); Crawford Yard Stockroom Renovation (\$300,000);</p> <p>2030 - Traffic Change Room Reconfiguration (\$400,000); Crawford Yard Miscellaneous Window Replacements (\$500,000)</p>
Project Comments/Reference	Version Comments
7033139 (Closed) / 7141029	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	575,000	575,000	0	5410	Construction Contracts - TCA										
2023	653,899	653,899	0		575,000	653,899	25,000	25,000	25,000	25,000	100,000	800,000	900,000	25,000	3,153,899
2024	25,000	25,000	0		Total	575,000	653,899	25,000	25,000	25,000	100,000	800,000	900,000	25,000	3,153,899
2025	25,000	25,000	0	Revenues											
2026	25,000	25,000	0	221	Service Sustainability Investm										
2027	25,000	25,000	0		575,000	653,899	25,000	25,000	25,000	25,000	100,000	800,000	900,000	25,000	3,153,899
2028	100,000	100,000	0		Total	575,000	653,899	25,000	25,000	25,000	100,000	800,000	900,000	25,000	3,153,899
2029	800,000	800,000	0												
2030	900,000	900,000	0												
2031	25,000	25,000	0												
	3,153,899	3,153,899	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	50,000	50,000	0												
2008	50,000	50,000	0												
2009	50,000	50,000	0												
2010	50,000	50,000	0												
2011	50,000	50,000	0												
2014	500,000	300,000	200,000												
2015	275,000	275,000	0												
2016	50,000	50,000	0												
2017	75,000	75,000	0												
2018	373,360	271,000	102,360												
2019	490,720	490,720	0												
2020	25,000	25,000	0												
2021	596,101	596,101	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	The lack of capital funding for these works will result in the deferral of repairs, further deterioration of the aging facilities, and increase the likelihood of over-expenditures in the operating budget when emergency repairs must be undertaken for operational and/or legislative reasons.							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead			Est. Completion Date								
2007	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Tom Graziano			Ongoing								



Project Version Summary

Project #	PFO-001-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Corporate Properties Security Systems and Infrastructure		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>The Corporate Security Infrastructure forms an important element of Facilities that lends towards the safety of both municipal staff and the public. It includes items such as card access equipment, cameras, monitors, digital video recording devices, customer service counters, electric strikes with door release buttons, door hardware and exterior lighting. This program would fund the necessary repairs, modifications, expansions and upgrades to existing systems, as well as the funding to install new infrastructure, as required, where none has previously existed.</p> <p>An internal audit on Corporate Facilities Key Control was conducted by the Office of Continuous Improvement. One of its recommendations stated "An opportunity exists for the Facility Operations Division to provide guidance to operating departments in the expected minimum standards and other best practices that should be utilized for tracking keys issued to employees." Key cards provide access to buildings and consequently, to the people located within the buildings. An absence of strict key and card control could pose a risk to security.</p>	<p>Annual allotment for system maintenance and conversion of key control system: 2022 (\$75,000) /2023 (\$25,000) /2024-2027 (\$150,000) /2031 (\$75,000)</p> <p>Specific work identified at this time is as follows: 2022 - Forest Glade CC Card Access (\$50,000) 2023 - Adie Knox CC Card Access (\$50,000) 2028 - Zamoni Room Card Access for Forest Glade Arena, Adie Knox Arena and Capri Pizzeria Recreation Complex (\$75,000) 2029 - Corporate Security Upgrades (\$75,000) 2030 - Corporate Security Upgrades (\$75,000) 2031 - 400 CHS (\$250,000)</p> <p>Other identified needs without specific timeline: Corporate Security Upgrades (\$575,000)</p>
Project Comments/Reference	Version Comments
<p>7053035 - This capital account replaces both Corporate Wide Security Systems and Security Infrastructure Improvements. 7165002 - This capital account tracks activities for Corporate Facilities Access Protocols project</p>	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	125,000	125,000	0	5410	Construction Contracts - TCA										
2023	75,000	75,000	0		125,000	75,000	150,000	150,000	150,000	150,000	75,000	75,000	75,000	325,000	1,350,000
2024	150,000	150,000	0		Total	125,000	75,000	150,000	150,000	150,000	75,000	75,000	75,000	325,000	1,350,000
2025	150,000	150,000	0	Revenues											
2026	150,000	150,000	0	169	Pay As You Go - Capital Reserve										
2027	150,000	150,000	0		25,000	25,000	25,000	25,000	75,000	75,000	0	0	0	0	250,000
2028	75,000	75,000	0	221	Service Sustainability Investm										
2029	75,000	75,000	0		100,000	50,000	125,000	125,000	75,000	75,000	75,000	75,000	75,000	325,000	1,100,000
2030	75,000	75,000	0		Total	125,000	75,000	150,000	150,000	150,000	75,000	75,000	75,000	325,000	1,350,000
2031	325,000	325,000	0												
	1,350,000	1,350,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2012	50,000	50,000	0												
2013	50,000	50,000	0												
2014	106,500	106,500	0												
2015	100,000	100,000	0												
2016	100,000	100,000	0												
2017	50,000	50,000	0												
2018	50,000	50,000	0												
2019	135,000	135,000	0												
2020	50,000	50,000	0												
2021	75,000	75,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	No operating budget impact.							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2012	January 1, 2015	Growth: 20.0 % Maintenance: 80.0 %		Tom Graziano				Ongoing`							



Project Version Summary

Project #	PFO-002-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Facility Structural & Building Envelope Maintenance Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>This program is intended to fund structural & building envelope repairs at all corporately owned facilities. These improvements focus on the building envelope and structural repairs and generally have individual cost occurrences of less than \$50,000.</p>	<p>An annual budget of \$50,000 from 2022-2031 is required to cover all repairs on an as needed basis.</p> <p>Specific work identified at this time is as follows: 2025 - Computer for Kids (4150 Sandwich) Renovation (\$500,000) 2026 - 930 Mercer Exterior Wall Insulation and Siding (\$100,000)</p> <p>Following funding to be prioritized based on Building Condition Assessments and other identified needs:</p> <p>2027 - \$450,000 2028 - \$700,000 2029 - \$950,000 2030 - \$1,450,000 2031 - \$450,000</p> <p>Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>
Project Comments/Reference	Version Comments
7151017	

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	50,000	50,000	0	5410	Construction Contracts - TCA											
2023	50,000	50,000	0		50,000	50,000	50,000	550,000	150,000	500,000	750,000	1,000,000	1,500,000	500,000	5,100,000	
2024	50,000	50,000	0		Total	50,000	50,000	50,000	550,000	150,000	500,000	750,000	1,000,000	1,500,000	500,000	5,100,000
2025	550,000	550,000	0	Revenues												
2026	150,000	150,000	0	169	Pay As You Go - Capital Reserve											
2027	500,000	500,000	0		0	0	0	0	0	0	0	0	0	0	0	
2028	750,000	750,000	0	221	Service Sustainability Investm											
2029	1,000,000	1,000,000	0		50,000	50,000	50,000	550,000	150,000	500,000	750,000	1,000,000	1,500,000	500,000	5,100,000	
2030	1,500,000	1,500,000	0		Total	50,000	50,000	50,000	550,000	150,000	500,000	750,000	1,000,000	1,500,000	500,000	5,100,000
2031	500,000	500,000	0													
	5,100,000	5,100,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2015	75,000	75,000	0													
2018	50,000	50,000	0													
2019	100,000	100,000	0													
2020	150,000	150,000	0													
2021	500,000	500,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	No operating budget impact.						0	0				
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2012	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Tom Graziano				Ongoing`								



Project Version Summary

Project #	PFO-002-14	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Huron Lodge Facility Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description	Version Description
There are a number of corrections required at Huron Lodge. The most significant are correcting issues related to the building envelope water leaks (walls, windows, roof, and parapets), the heating, cooling, ventilation, & humidification systems, plumbing, and flooring repairs. An architectural/engineering consultant is required to assess the deficiencies and recommend the best, most cost effective solutions.	<p>Specific work identified at this time is as follows:</p> <p>2022 - Washers, Dryers and Related Installation (\$175,000)</p> <p>2025 - Flooring, Humidifiers Replacement and Boilers Replacement (\$750,000)</p> <p>2026 - Water Softener System Replacement, Chiller Pumps, Fire Panel, Rooftop Units, Building Envelope Repairs (\$750,000) & Trash Compactor (\$175,000)</p> <p>2027 - Trash Compactor (\$175,000)</p> <p>2028 - Trash Compactor (\$50,000)</p> <p>2029-2030 - Dock Leveler (\$100,000) and other miscellaneous equipment repairs</p> <p>An annual allotment of \$100,000 in 2027-2031 for various repairs, unexpected needs and maintenance.</p> <p>Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>

Project Comments/Reference	Version Comments
7153006	

Project Forecast	Project Detailed Forecast																																																																																																																																																																																																												
<table border="1"> <thead> <tr> <th></th> <th colspan="3">Revenue</th> <th colspan="9"></th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>175,000</td> <td>175,000</td> <td>0</td> <td colspan="12">Expenses</td> </tr> <tr> <td>2023</td> <td>0</td> <td>0</td> <td>0</td> <td>5411</td> <td colspan="11">Construction Contracts-Non TCA</td> </tr> <tr> <td>2024</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>175,000</td> <td>0</td> <td>0</td> <td>750,000</td> <td>925,000</td> <td>275,000</td> <td>150,000</td> <td>150,000</td> <td>150,000</td> <td>100,000</td> <td>2,675,000</td> </tr> <tr> <td>2025</td> <td>750,000</td> <td>750,000</td> <td>0</td> <td>Total</td> <td>175,000</td> <td>0</td> <td>0</td> <td>750,000</td> <td>925,000</td> <td>275,000</td> <td>150,000</td> <td>150,000</td> <td>150,000</td> <td>100,000</td> <td>2,675,000</td> </tr> <tr> <td>2026</td> <td>925,000</td> <td>925,000</td> <td>0</td> <td colspan="12">Revenues</td> </tr> <tr> <td>2027</td> <td>275,000</td> <td>275,000</td> <td>0</td> <td>169</td> <td colspan="11">Pay As You Go - Capital Reserve</td> </tr> <tr> <td>2028</td> <td>150,000</td> <td>150,000</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2029</td> <td>150,000</td> <td>150,000</td> <td>0</td> <td>221</td> <td colspan="11">Service Sustainability Investm</td> </tr> <tr> <td>2030</td> <td>150,000</td> <td>150,000</td> <td>0</td> <td></td> <td>175,000</td> <td>0</td> <td>0</td> <td>750,000</td> <td>925,000</td> <td>275,000</td> <td>150,000</td> <td>150,000</td> <td>150,000</td> <td>100,000</td> <td>2,675,000</td> </tr> <tr> <td>2031</td> <td>100,000</td> <td>100,000</td> <td>0</td> <td>Total</td> <td>175,000</td> <td>0</td> <td>0</td> <td>750,000</td> <td>925,000</td> <td>275,000</td> <td>150,000</td> <td>150,000</td> <td>150,000</td> <td>100,000</td> <td>2,675,000</td> </tr> <tr> <td></td> <td>2,675,000</td> <td>2,675,000</td> <td>0</td> <td colspan="12"></td> </tr> </tbody> </table>		Revenue												Year	Total Expense	Net City Cost	Subsidies	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	2022	175,000	175,000	0	Expenses												2023	0	0	0	5411	Construction Contracts-Non TCA											2024	0	0	0		175,000	0	0	750,000	925,000	275,000	150,000	150,000	150,000	100,000	2,675,000	2025	750,000	750,000	0	Total	175,000	0	0	750,000	925,000	275,000	150,000	150,000	150,000	100,000	2,675,000	2026	925,000	925,000	0	Revenues												2027	275,000	275,000	0	169	Pay As You Go - Capital Reserve											2028	150,000	150,000	0		0	0	0	0	0	0	0	0	0	0	0	2029	150,000	150,000	0	221	Service Sustainability Investm											2030	150,000	150,000	0		175,000	0	0	750,000	925,000	275,000	150,000	150,000	150,000	100,000	2,675,000	2031	100,000	100,000	0	Total	175,000	0	0	750,000	925,000	275,000	150,000	150,000	150,000	100,000	2,675,000		2,675,000	2,675,000	0												
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Historical Approved Budget																									
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	Revenue																								
Year	Total Expense	Net City Cost	Subsidies																						
2015	100,000	100,000	0																						
2016	250,000	250,000	0																						
2017	250,000	250,000	0																						
2020	230,000	230,000	0																						

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
			Effective Date	Description	0	0
			Unknown	No operating budget impact.		
2014	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Mike Smithson	Ongoing`		



Project Version Summary

Project #	PFO-002-18	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Facility & Parks Building Demolitions		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																											
There are a number of buildings within the Facilities division that are in poor condition. They have been identified as reaching the end of their useful life and need to be demolished. By demolishing these buildings, the Corporation would no longer have the liability to maintain these buildings. In addition, restoration of the property will help in creating an improved aesthetic for the neighbourhoods and parks that surround these buildings.				An annual allotment of \$100,000 in 2023-2024 and 2026-2027 to fund the demolitions. The funds will be assigned on a priority basis.																																																																																																																																																																																																																											
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Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date																																																																																																																																																																																																																											

2018	January 1, 2018	Growth: 0.0 % Maintenance: 0.0 %	Tom Graziano	Ongoing`
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Project Version Summary

Project #	PFO-002-19	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Fountain Restoration and Repairs		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 2		
Version Name	Main (Active)		

Project Description	Version Description
This project is intended to fund capital costs for ongoing maintenance and restoration of all Facilities fountains including repainting, retiling, pump repairs, etc.	<p>Specific work identified at this time is as follows:</p> <p>2022 - 2023 - Peace Fountain (\$1,200,000)</p> <p>2024 - Bert Weeks, Willistead and other fountain repairs (\$250,000)</p> <p>2025 - 2028 - Peace Fountain (\$4,000,000)</p> <p>2030 - Peace Fountain (\$2,400,296)</p> <p>Below funding be prioritized based on identified needs:</p> <p>2025 - (\$250,000)</p> <p>2027 - (\$160,000)</p> <p>2028 - (\$50,000)</p> <p>2029 - (\$50,000)</p> <p>2030 - (\$50,000)</p>

Project Comments/Reference	Version Comments
7209008/7211054	<p>COMMITMENT:</p> <p>CR137/2021 - C 38/2021: 2022 F221 \$272,562 (Peace Fountain)</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	449,500	449,500	0	5410	Construction Contracts - TCA											
2023	750,500	750,500	0		449,500	750,500	250,000	2,250,000	500,000	660,000	1,050,000	50,000	2,450,296	0	8,410,296	
2024	250,000	250,000	0		Total	449,500	750,500	250,000	2,250,000	500,000	660,000	1,050,000	50,000	2,450,296	0	8,410,296
2025	2,250,000	2,250,000	0	Revenues												
2026	500,000	500,000	0	169	Pay As You Go - Capital Reserve											
2027	660,000	660,000	0		0	0	0	500,000	500,000	1,000,000	0	2,400,296	0	4,400,296		
2028	1,050,000	1,050,000	0	221	Service Sustainability Investm											
2029	50,000	50,000	0		176,938	750,500	250,000	2,250,000	0	160,000	50,000	50,000	50,000	0	3,737,438	
2030	2,450,296	2,450,296	0	221CF	Committed Funding											
2031	0	0	0		272,562	0	0	0	0	0	0	0	0	0	272,562	
	8,410,296	8,410,296	0	Total	449,500	750,500	250,000	2,250,000	500,000	660,000	1,050,000	50,000	2,450,296	0	8,410,296	

Historical Approved Budget			
		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2020	50,000	50,000	0

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2019	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Donovan Tremblay		0	0
			Effective Date	Description		
			Unknown	Any maintenance required prior to a full refurbishment may impact the operating budget.		



Project Version Summary

Project #	PFO-002-22	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type		Division	Facilities
Title	Capitol Theatre Legacy Grant		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards			
Version Name	Main (Active)		

Project Description				Version Description												
Project Comments/Reference 7183008 / 7211052 (grant portion)				Version Comments COMMITMENT: CR576/2020 - C 224/2020: 2022 F221 \$1,200,000 Note: Legacy Fund – Building Communities Through Arts and Heritage Grant was successful. Grant funding anticipated 2021-2022 \$100,000 and 2022-2023 \$400,000.												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	1,200,000	1,200,000	0	5410 Construction Contracts - TCA												
2023	0	0	0	1,200,000 0 0 0 0 0 0 0 0 0 0 0 0 1,200,000												
2024	0	0	0	Total 1,200,00 0 0 0 0 0 0 0 0 0 0 0 0 1,200,000												
2025	0	0	0	0												
2026	0	0	0	Revenues												
2027	0	0	0	221CF Committed Funding												
2028	0	0	0	1,200,000 0 0 0 0 0 0 0 0 0 0 0 0 1,200,000												
2029	0	0	0	Total 1,200,00 0 0 0 0 0 0 0 0 0 0 0 0 1,200,000												
2030	0	0	0	0												
2031	0	0	0													
	1,200,000	1,200,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date								
2022		Growth: 0.0 % Maintenance: 100.0 %														



Project Version Summary

Project #	PFO-003-11	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Corporate Designated Substance Remediation Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
This program will fund the expenses incurred when Designated Substances, as defined in Ontario Regulation 490/90 of the OH&S Act, are encountered and required to be properly managed in municipal buildings. These substances are sometimes encountered unexpectedly during renovation projects or are discovered through a targeted investigation.				This program continues on an ongoing basis to fund any designated substance remediation as needed.												
Project Comments/Reference				Version Comments												
7001225 - This capital project replaces The Asbestos Abatement Program.																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Expenses												
		Net City Cost	Subsidies	5410	Construction Contracts - TCA											
2022	0	0	0		0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000	
2023	0	0	0		0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000	
2024	0	0	0		0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000	
2025	0	0	0		0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000	
2026	50,000	50,000	0	221	Service Sustainability Investm											
2027	50,000	50,000	0		0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000	
2028	50,000	50,000	0		0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000	
2029	50,000	50,000	0		0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000	
2030	50,000	50,000	0		0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000	
2031	50,000	50,000	0		0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000	
	300,000	300,000	0													
Historical Approved Budget																
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Revenues												
		Net City Cost	Subsidies	221	Service Sustainability Investm											
2017	100,000	100,000	0		0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000	
2019	100,000	100,000	0		0	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	300,000	
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	If the remediation required exceeds currently available funds, the impact on the operating budget will be significant.								0	0		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												

2011	January 1, 2017	Growth: 0.0 % Maintenance: 0.0 %	Tom Graziano	Ongoing`
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Project Version Summary

Project #	PFO-003-13	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	401 Riverside Drive W Capital Refurbishment		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description				Version Description												
Projected capital costs for the ongoing maintenance of the Art Gallery of Windsor and Chimczuk Museum.				The Art Gallery of Windsor and the Chimczuk Museum require funds for various capital repairs and maintenance going forward. Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.												
Project Comments/Reference				Version Comments												
7119006																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Expenses												
		Net City Cost	Subsidies	5410	Construction Contracts - TCA											
2022	25,000	25,000	0		25,000	125,000	0	0	125,000	125,000	125,000	100,000	100,000	0	725,000	
2023	125,000	125,000	0													
2024	0	0	0		Total	25,000	125,000	0	0	125,000	125,000	125,000	100,000	100,000	0	725,000
2025	0	0	0	Revenues												
2026	125,000	125,000	0	221	Service Sustainability Investm											
2027	125,000	125,000	0		25,000	125,000	0	0	125,000	125,000	125,000	100,000	100,000	0	725,000	
2028	125,000	125,000	0		Total	25,000	125,000	0	0	125,000	125,000	125,000	100,000	100,000	0	725,000
2029	100,000	100,000	0													
2030	100,000	100,000	0													
2031	0	0	0													
	725,000	725,000	0													
Historical Approved Budget																
				Operating Budget Impact												
Year	Total Expense	Revenue		Effective Date	Description	Exp/(Rev)	FTE Impact									
2018	1,320,000	1,320,000	0	Unknown	No operating budget impact.	0	0									
2019	40,000	40,000	0													
2020	30,000	30,000	0													
2021	75,000	75,000	0													
Related Projects																
Precedes	Project Title															
REC-001-14	Museum Expansion															
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												

2013	January 1, 2018	Growth: 0.0 % Maintenance: 100.0 %	Tom Graziano	Ongoing`
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Project Version Summary

Project #	PFO-003-14	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Corporate Facilities Boiler Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
The average life expectancy of a water boiler is approximately 15 to 20 years, with some failing sooner. Many of our facilities have boilers that are older and require replacement or major repair. New generation boilers offer major increases in annual operating efficiency compared to boilers that are 10 or more years old.	<p>The Building Condition Assessment project and continued collection of asset data will assist the department in inventory and detailing a replacement schedule.</p> <p>An annual budget of \$50,000 in 2022-2025, \$150,000 in 2026-2027, \$50,000 in 2028-2030, and \$500,000 in 2031 are being requested to replace aging boilers as they approach the end of their useful life.</p> <p>Specific work identified at this time is as follows: 2026 - Paul Martin Building Boilers Replacement (\$800,000)</p> <p>Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>

Project Comments/Reference	Version Comments
7142001	

Project Forecast	Project Detailed Forecast																																																																																																																																																		
<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> <th rowspan="2">Subsidies</th> </tr> <tr> <th>Net City Cost</th> <th></th> </tr> </thead> <tbody> <tr><td>2022</td><td>50,000</td><td>50,000</td><td>0</td><td>0</td></tr> <tr><td>2023</td><td>50,000</td><td>50,000</td><td>0</td><td>0</td></tr> <tr><td>2024</td><td>50,000</td><td>50,000</td><td>0</td><td>0</td></tr> <tr><td>2025</td><td>50,000</td><td>50,000</td><td>0</td><td>0</td></tr> <tr><td>2026</td><td>950,000</td><td>950,000</td><td>0</td><td>0</td></tr> <tr><td>2027</td><td>150,000</td><td>150,000</td><td>0</td><td>0</td></tr> <tr><td>2028</td><td>50,000</td><td>50,000</td><td>0</td><td>0</td></tr> <tr><td>2029</td><td>50,000</td><td>50,000</td><td>0</td><td>0</td></tr> <tr><td>2030</td><td>50,000</td><td>50,000</td><td>0</td><td>0</td></tr> <tr><td>2031</td><td>500,000</td><td>500,000</td><td>0</td><td>0</td></tr> <tr><td>Total</td><td>1,950,000</td><td>1,950,000</td><td>0</td><td>0</td></tr> </tbody> </table>	Year	Total Expense	Revenue		Subsidies	Net City Cost		2022	50,000	50,000	0	0	2023	50,000	50,000	0	0	2024	50,000	50,000	0	0	2025	50,000	50,000	0	0	2026	950,000	950,000	0	0	2027	150,000	150,000	0	0	2028	50,000	50,000	0	0	2029	50,000	50,000	0	0	2030	50,000	50,000	0	0	2031	500,000	500,000	0	0	Total	1,950,000	1,950,000	0	0	<table border="1"> <thead> <tr> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="12">Expenses</td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>950,000</td> <td>150,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>500,000</td> <td>1,950,000</td> </tr> <tr> <td>Total</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>950,000</td> <td>150,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>500,000</td> <td>1,950,000</td> </tr> <tr> <td colspan="12">Revenues</td> </tr> <tr> <td>221 Service Sustainability Investm</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>950,000</td> <td>150,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>500,000</td> <td>1,950,000</td> </tr> <tr> <td>Total</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>950,000</td> <td>150,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>500,000</td> <td>1,950,000</td> </tr> </tbody> </table>	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Expenses												5410 Construction Contracts - TCA	50,000	50,000	50,000	50,000	950,000	150,000	50,000	50,000	50,000	500,000	1,950,000	Total	50,000	50,000	50,000	50,000	950,000	150,000	50,000	50,000	50,000	500,000	1,950,000	Revenues												221 Service Sustainability Investm	50,000	50,000	50,000	50,000	950,000	150,000	50,000	50,000	50,000	500,000	1,950,000	Total	50,000	50,000	50,000	50,000	950,000	150,000	50,000	50,000	50,000	500,000	1,950,000
Year			Total Expense	Revenue		Subsidies																																																																																																																																													
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Year			Total Expense	Revenue															
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2014	55,500	55,500	0																
2015	50,000	50,000	0																
2019	89,500	89,500	0																

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
			Effective Date	Description	0	0
			Unknown	No operating budget impact.		
2014	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Tom Graziano	Ongoing`		



Project Version Summary

Project #	PFO-004-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Corporate Facilities Building Condition Assessments		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																										
With the help of a consultant, each municipal facility shall be assessed and reported upon in terms of the key components of the building envelope and the building systems. Once completed, this assessment will form the framework for the creation of future capital budget requests over the next ten years. This project is critical in developing our asset management planning program.				Building condition assessment work will be ongoing. Funding will accumulate in order to perform the next phase of building condition assessments. This work will include building condition assessments of additional buildings, accessibility audits and re-testing/re-inspecting as required. An annual budget of \$50,000 in 2022-2023, \$200,000 in 2026-2028 and \$100,000 in 2029-2030 is requested to cover the cost of building condition assessment work performed. Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. This funding will help identify the infrastructure needs within Facilities so future costs can be projected.																																																																																																																										
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				<table border="1"> <thead> <tr> <th>Year</th> <th>Total Expense</th> <th>Revenue</th> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2014</td> <td>300,000</td> <td>0</td> <td>0</td> <td>300,000</td> </tr> <tr> <td>2019</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>0</td> </tr> <tr> <td>2020</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>0</td> </tr> <tr> <td>2021</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>0</td> </tr> </tbody> </table>													Year	Total Expense	Revenue	Net City Cost	Subsidies	2014	300,000	0	0	300,000	2019	50,000	50,000	50,000	0	2020	50,000	50,000	50,000	0	2021	50,000	50,000	50,000	0																																																																																					
Year	Total Expense	Revenue	Net City Cost	Subsidies																																																																																																																										
2014	300,000	0	0	300,000																																																																																																																										
2019	50,000	50,000	50,000	0																																																																																																																										
2020	50,000	50,000	50,000	0																																																																																																																										
2021	50,000	50,000	50,000	0																																																																																																																										

Related Projects			Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date	
2012	January 1, 2014	Growth: 0.0 % Maintenance: 100.0 %	Tom Graziano	Ongoing`	
			Effective Date	Description	Exp/(Rev) FTE Impact
			Unknown	The lack of capital funding would result in further deterioration of the equipment and increase the likelihood of expenditures in the operating budget due to repairs.	0 0



Project Version Summary

Project #	PFO-004-20	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Windsor Lawn Bowling Club Exterior Repairs		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description				Version Description												
To fund repairs and maintenance of the exterior building & lawn bowling gaming area for Windsor Lawn Bowling and Tennis Club as per the lease agreement.				An annual budget of \$100,000 in 2022, 2023 and 2028, and \$50,000 in 2029-2030 is being requested to fund miscellaneous repairs to the lawn bowling gaming grounds												
Project Comments/Reference				Version Comments												
7204000																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
				Expenses												
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	100,000	100,000	0	5410	Construction Contracts - TCA											
2023	100,000	100,000	0		100,000	100,000	0	0	0	100,000	50,000	50,000	0	400,000		
2024	0	0	0		Total	100,000	100,000	0	0	0	100,000	50,000	50,000	0	400,000	
2025	0	0	0	Revenues												
2026	0	0	0	221	Service Sustainability Investm											
2027	0	0	0		100,000	100,000	0	0	0	100,000	50,000	50,000	0	400,000		
2028	100,000	100,000	0		Total	100,000	100,000	0	0	0	100,000	50,000	50,000	0	400,000	
2029	50,000	50,000	0													
2030	50,000	50,000	0													
2031	0	0	0													
	400,000	400,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2020	100,000	100,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	No operating budget impact.							0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date								
2020	January 1, 2020	Growth: 0.0 % Maintenance: 100.0 %	Tom Graziano/Adrian Busa					2020`								



Project Version Summary

Project #	PFO-006-21	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type		Division	Facilities
Title	Paul Martin Building - Capital Repairs		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards			
Version Name	Main (Active)		

Project Description	Version Description
<p>On February 20, 2018, the Windsor Public Library Board (“WPL Board”) passed a resolution authorizing the sale of the Main Branch at 850 Ouellette Avenue to the Downtown Mission. In April 2018, the City acquired the Paul Martin Building, located at 185 Ouellette, which is the new home of the WPL. The PMB is comprised of two main sections – the heritage building that fronts onto Ouellette Avenue opened in 1934, and an addition built in 1959, which is located at the corner of Pitt St. and Ouellette Avenue and opens onto Pitt St.</p> <p>Based on the Building Condition Report prepared by PWGSC in March 2016, a total of \$24M in capital costs are identified over the next 25 years. These costs relate to addressing items such as the replacement of elevators, heating and cooling equipment, electrical systems, roof, windows, accessibility upgrades, etc. The timing of replacement of many of the components maybe beyond the 25 year period as indicated in the Building Condition Report.</p>	<p>Specific work identified at this time is as follows:</p> <p>2031 - as Per Building Condition Assessment (\$600,000) & Paving (\$200,000)</p> <p>Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>

Project Comments/Reference	Version Comments

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	0	0	0		0	0	0	0	0	0	0	0	0	800,000	800,000
2024	0	0	0	Total	0	0	0	0	0	0	0	0	0	800,000	800,000
2025	0	0	0	Revenues											
2026	0	0	0	221	Service Sustainability Investm										
2027	0	0	0		0	0	0	0	0	0	0	0	0	800,000	800,000
2028	0	0	0	Total	0	0	0	0	0	0	0	0	0	800,000	800,000
2029	0	0	0												
2030	0	0	0												
2031	800,000	800,000	0												
	800,000	800,000	0												

Historical Approved Budget	
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Related Projects		Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 0.0 %	Tom Graziano	TBD`



Project Version Summary

Project #	PFO-008-21	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Corporate Electrical Replacement/Repair Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	To implement a proactive mechanism to allow electrical system replacement to be planned for within the capital budget.	Version Description	<p>This project will provide preventative maintenance on all city electrical systems to prevent system failures and extend their useful life.</p> <p>An annual allotment of \$150,000 in 2028-2031 is requested to cover material costs for capital maintenance that may arise in the year.</p> <p>2028 - Paul Martin Building Fire Alarm Systems (\$600k)</p> <p>Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken</p>
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Project Comments/Reference		Version Comments	
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Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		<u>Net City Cost</u>	<u>Subsidies</u>	Expenses											
2022	0	0	0	5410 Construction Contracts - TCA							750,000	150,000	150,000	150,000	1,200,000
2023	0	0	0		0	0	0	0	0	0	750,000	150,000	150,000	150,000	1,200,000
2024	0	0	0	Total	0	0	0	0	0	0	750,000	150,000	150,000	150,000	1,200,000
2025	0	0	0	Revenues											
2026	0	0	0	221 Service Sustainability Investm							750,000	150,000	150,000	150,000	1,200,000
2027	0	0	0		0	0	0	0	0	0	750,000	150,000	150,000	150,000	1,200,000
2028	750,000	750,000	0	Total	0	0	0	0	0	0	750,000	150,000	150,000	150,000	1,200,000
2029	150,000	150,000	0												
2030	150,000	150,000	0												
2031	150,000	150,000	0												
	1,200,000	1,200,000	0												

Historical Approved Budget	
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Related Projects		Operating Budget Impact	
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Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 0.0 %	Tom Graziano	TBD



Project Version Summary

Project #	PFO-009-11	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Corporate Heating & Cooling Replacement/Repair Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description

To implement a proactive mechanism to allow heating and cooling system replacement to be planned for within the capital budget.

Version Description

This project will provide preventative maintenance on all city heating and cooling units to prevent system failures and extend their useful life.

Specific work identified at this time is as follows:

- 2022 - Huron Lodge Chiller (\$450,000), and BAS Upgrades (\$10,000)
- 2023 - Gino Marcus Roof Top Units (\$175,000)
- 2024 - Grease Interceptors (\$60,000), BAS Upgrades (\$40,000)
- 2026 - WFCU Rooftop Unit Compressors (\$30,000)
- 2029 - PMB Heating & Cooling Equipment (\$500,000)
- 2030 - PMB Cooling tower (\$200,000)

Following funding to be prioritized based on Building Condition Assessments and other identified needs:

- 2022 - \$25,000
- 2023 - \$175,000
- 2024 - \$100,000
- 2025 - \$500,000
- 2026 - \$1,100,000
- 2027 - \$600,000
- 2028 - \$1,000,000
- 2029 - \$1,000,000
- 2030 - \$1,600,000
- 2031 - \$1,000,000

Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.

Project Comments/Reference

7121006 (Closed) / 7142000

Version Comments

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	485,000	485,000	0	5410	Construction Contracts - TCA											
2023	350,000	350,000	0		485,000	350,000	200,000	500,000	1,130,000	600,000	1,000,000	1,500,000	1,800,000	1,000,000	8,565,000	
2024	200,000	200,000	0		Total	485,000	350,000	200,000	500,000	1,130,000	600,000	1,000,000	1,500,000	1,800,000	1,000,000	8,565,000
2025	500,000	500,000	0	Revenues												
2026	1,130,000	1,130,000	0	221	Service Sustainability Investm											
2027	600,000	600,000	0		485,000	350,000	200,000	500,000	1,130,000	600,000	1,000,000	1,500,000	1,800,000	1,000,000	8,565,000	
2028	1,000,000	1,000,000	0	221CF	Committed Funding											
2029	1,500,000	1,500,000	0		0	0	0	0	0	0	0	0	0	0	0	
2030	1,800,000	1,800,000	0		Total	485,000	350,000	200,000	500,000	1,130,000	600,000	1,000,000	1,500,000	1,800,000	1,000,000	8,565,000
2031	1,000,000	1,000,000	0													
	8,565,000	8,565,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2012	75,000	75,000	0													
2014	100,000	100,000	0													
2015	100,000	100,000	0													
2016	205,000	205,000	0													
2017	190,000	190,000	0													
2018	450,000	450,000	0													
2019	500,000	500,000	0													
2020	500,000	500,000	0													
2021	400,000	400,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	The lack of capital funding would result in further deterioration of the equipment and increase the likelihood of expenditures in the operating budget due to repairs.						0	0				
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2011	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Tom Graziano				Ongoing`								



Project Version Summary

Project #	PFO-010-11	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Corporate Facilities Interior Renovation Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
To replace and upgrade flooring, ceiling and wall finishes corporate wide in an effort to improve resistance to damage and reduce the cost of maintaining high traffic areas.	Funding is required to replace damaged and aged carpets and floor finishes that are beyond their life expectancy at various municipally owned facilities. Specific work currently identified will help prevent possible trip hazards by replacing and repairing deteriorated flooring. An annual allotment will be allocated based on Building Condition Assessments and other identified needs Enterprise Risk(s): This funding will mitigate against the identified Infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.

Project Comments/Reference	Version Comments
7155001/7159011	

Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Net City Cost	Subsidies												
2022	0	0	0	5410											
2023	100,000	100,000	0		0	100,000	50,000	50,000	100,000	100,000	750,000	750,000	750,000	395,000	3,045,000
2024	50,000	50,000	0		0	100,000	50,000	50,000	100,000	100,000	750,000	750,000	750,000	395,000	3,045,000
2025	50,000	50,000	0												
2026	100,000	100,000	0												
2027	100,000	100,000	0												
2028	750,000	750,000	0												
2029	750,000	750,000	0												
2030	750,000	750,000	0												
2031	395,000	395,000	0												
	3,045,000	3,045,000	0												

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2015	100,000	100,000	0
2016	100,000	100,000	0
2017	100,000	100,000	0
2018	100,000	100,000	0
2019	260,000	260,000	0

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2011	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %	Tom Graziano	Ongoing`	0	0
					Unknown	No operating budget impact.



Project Version Summary

Project #	PFO-010-21	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type		Division	Facilities
Title	Additions to Field Engineering Building at Crawford Yard		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards			
Version Name	Main (Active)		

Project Description				Version Description											
To accommodate for the growth of Public Works operations, as well as to accommodate the future growth in the department, the Information Management Strategy (IMS) staff from McDougall facility are to be relocated to Crawford Yard. This project is to renovate and build an addition of office space and storage to the existing space within Crawford yard in order to house the department expansion.				Identified needs without specific timing: Renovation and addition to existing Crawford Yard building (\$400,000)											
Project Comments/Reference				Version Comments											
Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	0	0	0		0	0	0	0	0	0	0	0	0	400,000	400,000
2024	0	0	0	Total	0	0	0	0	0	0	0	0	0	400,000	400,000
2025	0	0	0	Revenues											
2026	0	0	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		0	0	0	0	0	0	0	0	0	400,000	400,000
2028	0	0	0	Total	0	0	0	0	0	0	0	0	0	400,000	400,000
2029	0	0	0												
2030	0	0	0												
2031	400,000	400,000	0												
	400,000	400,000	0												
Historical Approved Budget				Operating Budget Impact											
Related Projects															
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2021		Growth: 0.0 % Maintenance: 0.0 %		Tom Graziano / Chris Nepszy					TBD						



Project Version Summary

Project #	PFO-013-21	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Corporate Facility Equipment Maintenance Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
To repair and replace infrastructure equipment within Facilities. The equipment is costly to repair/replace and many items are reaching the end of their useful life. Annual funding is being requested to replace/repair aging infrastructure equipment, such as pumps, dock leveler, and trash compactor, etc. This budget will ensure that funds are available when infrastructure equipment throughout Facilities fails or needs replacement.				<p>Specific work identified at this time is as follows:</p> <p>2022 - Outdoor pool equipment maintenance (\$36,000) /Adventure Bay Themeing replacement (\$196,800)</p> <p>2023 - Outdoor pool equipment maintenance (\$48,000)</p> <p>2024 - Outdoor pool equipment maintenance (\$48,000) /CHEMTROL system maintenance (\$27,000)</p> <p>2025 - Gino Marcus CHEMTROL system (\$10,000)</p> <p>2026 - Adventure Bay (\$1,000,000); Outdoor pool maintenance (\$90,000)</p> <p>2028 - Adventure Bay Sound system (\$150,000)</p> <p>2031 - BCA identified needs (\$50k)</p> <p>Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken</p>												
Project Comments/Reference				Version Comments												
7219012																
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	232,800	232,800	0	5410	Construction Contracts - TCA											
2023	48,000	48,000	0		232,800	48,000	75,000	10,000	1,090,000	0	150,000	0	0	50,000	1,655,800	
2024	75,000	75,000	0		Total	232,800	48,000	75,000	10,000	1,090,000	0	150,000	0	50,000	1,655,800	
2025	10,000	10,000	0	Revenues												
2026	1,090,000	1,090,000	0	125	Dev Chg - Indoor Recreation											
2027	0	0	0		22,800	0	0	0	0	0	0	0	0	50,000	72,800	
2028	150,000	150,000	0	221	Service Sustainability Investm											
2029	0	0	0		210,000	48,000	75,000	10,000	1,090,000	0	150,000	0	0	0	1,583,000	
2030	0	0	0		Total	232,800	48,000	75,000	10,000	1,090,000	0	150,000	0	50,000	1,655,800	
2031	50,000	50,000	0													
	1,655,800	1,655,800	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2021	63,000	63,000	0													
Related Projects				Operating Budget Impact												

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 100.0 %	Tom Graziano	TBD`



Project Version Summary

Project #	PFO-014-07	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Corporate Facilities Health & Safety Compliance		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>This is an ongoing program to address the deficiencies outlined in the corporate health and safety audit. Pending initiatives are brought forward as issues arise.</p> <p>Facilities Operations finds itself called upon to resolve Health & Safety matters across the Corporation, with a limited corresponding source of funding. As identified in the recent OMBI performance indicators, Facilities Operations is responsible for providing service to over one million square feet of space among various City owned facilities. This includes ensuring that Health & Safety orders/complaints are followed up in a timely manner. Currently, many orders cannot be absorbed in the various operating budgets. Expectations are that, due to aging municipal facilities, an aging work force and the recent hiring of additional Ministry of Labour work force with respect to enforcing Bill C45, the demand for Health & Safety related replacements will steadily increase.</p>	<p>Issues that will require attention as a result of various Provincial Ministry and Municipal orders include but are not limited to the following:</p> <ul style="list-style-type: none"> - mould remediation - work environment illumination levels as set forth by the Ministry of Labour - washroom rehabilitation - sidewalk/pathway trip hazards - flooring trip hazards & other structural hazards - air quality & noise replacements - arc flash & shock protection assessments - electrical safety authority orders to comply - fire prevention officer orders to comply <p>Outstanding orders from both the ESA and our own Health & Safety team are currently being compiled. It should be noted that this represents a running total that is fluid and changes over time. A backlog of work orders is anticipated based on Bill C-45, although dealt with as far as funding will allow. It can be effectively demonstrated that more funds will be required in future years.</p>
Project Comments/Reference	Version Comments
7086007	

Project Forecast				Project Detailed Forecast												
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Net City Cost	Subsidies													
2022	0	0	0	Expenses												
2023	100,000	100,000	0	5410	Construction Contracts - TCA										900,000	
2024	100,000	100,000	0		0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000	
2025	100,000	100,000	0													
2026	100,000	100,000	0													
2027	100,000	100,000	0													
2028	100,000	100,000	0													
2029	100,000	100,000	0													
2030	100,000	100,000	0													
2031	100,000	100,000	0													
	900,000	900,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
2007	75,000	75,000	0													
2008	150,000	150,000	0													
2009	150,000	150,000	0													
2010	150,000	150,000	0													
2011	150,000	150,000	0													
2012	150,000	150,000	0													
2013	160,000	160,000	0													
2014	150,000	150,000	0													
2015	185,000	185,000	0													
2017	150,000	150,000	0													
2018	150,000	150,000	0													
2019	90,000	90,000	0													
2021	100,000	100,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	No operating budget impact.								0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2007	January 1, 2007	Growth: 0.0 % Maintenance: 0.0 %		Tom Graziano				Ongoing`								



Project Version Summary

Project #	PFO-014-21	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Access Control System Replacement		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>The physical access control system determines who is allowed to enter or exit, as well as where and when they are allowed to enter or exit. The current access control system is approaching its end-of-life, will ultimately be discontinued, and parts and support will steadily become unavailable.</p> <p>This project will plan for, design and implement a replacement for the corporate access control system to maintain a safe and secure environment. The scope will include, but not be limited to a replacement of the access control system hardware and software, replace infrastructure (readers, cabling, etc.) where required, add access control locations where required, ensure integration with the Workforce Management system, ensure integration with other corporate security systems, replace access cards with the latest security technology, programming, commissioning, training and service & support.</p>	<p>2028 - Corporate Card Access System Replacement (\$1,850,000) 2031 - Corporate Card Access System Replacement (\$1,100,000)</p>

Project Comments/Reference	Version Comments

Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Net City Cost	Subsidies												
2022	0	0	0	5410 Construction Contracts - TCA	0	0	0	0	0	0	1,850,000	0	0	1,100,000	2,950,000
2023	0	0	0												
2024	0	0	0												
2025	0	0	0												
2026	0	0	0												
2027	0	0	0												
2028	1,850,000	1,850,000	0												
2029	0	0	0												
2030	0	0	0												
2031	1,100,000	1,100,000	0												
	2,950,000	2,950,000	0												

Historical Approved Budget	
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Related Projects		Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2021		Growth: 0.0 % Maintenance: 0.0 %	Tom Graziano	TBD`



Project Version Summary

Project #	REC-004-08	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	The WFCU Centre Capital Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 6		
Version Name	Main (Active)		

Project Description				Version Description												
The WFCU Centre constructed in 2007/2008 will require ongoing capital maintenance and minor operational adjustments for the new fully operational state-of-the-art facility. Operation over the last four years has brought certain elements to management that needs to be addressed such as the zamboni floor drains that are too small and cannot keep up with the flow of water and therefore causing a health and safety issue.				The WFCU is highly used by the City and other tenants such as Ovations, Seniors Group, Windsor Spitfires, Windsor Express and Spectra Venue Management.												
Project Comments/Reference				Version Comments												
See document attached for complete listing. 7064900 / 7141006 (Closed) / 7161046 / 7161055																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	0	0	0													
2023	650,000	650,000	0													
2024	0	0	0													
2025	200,000	200,000	0													
2026	540,000	540,000	0													
2027	790,000	790,000	0													
2028	300,000	300,000	0													
2029	300,000	300,000	0													
2030	300,000	300,000	0													
2031	290,000	290,000	0													
	3,370,000	3,370,000	0													
Historical Approved Budget				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2014	26,000	26,000	0													
2016	340,000	340,000	0													
2017	430,000	430,000	0													
2019	200,000	200,000	0													
2020	480,000	480,000	0													
2021	978,441	978,441	0													

Related Projects			Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date	
2008	January 2, 2017	Growth: 0.0 % Maintenance: 0.0 %	Tom Graziano	Ongoing`	
			Effective Date	Description	Exp/(Rev) FTE Impact
			Unknown	The lack of capital funding would result in further deterioration of the asset and increase the likelihood of expenditures in the operating budget due to repairs.	0 0



Project Version Summary

Project #	REC-005-07	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Corporate Arena Refurbishments		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 1, Ward 3, Ward 7		
Version Name	Main (Active)		

<p>Project Description</p> <p>Ongoing upgrades/refurbishments to municipal arenas in order to ensure that they remain functional and do not pose a hazard to users and address the needs of user groups. Due to changing user demographics (i.e. more females playing hockey), a shortage of dressing rooms is one of the areas that must be addressed. We should now be offering 6 dressing rooms per single pad and 12 per double pad. There is also a concern that additional capital repairs are required for the aging arena facilities (Forest Glade Arena, Adie Knox Arena, Capri Pizzeria Recreation Complex Arenas) and outdoor rinks (Charles Clark Square Rink, Lanspeary Rink). Compressors/chillers are very expensive equipment that require ongoing maintenance programs and major overhauls every few years.</p>	<p>Version Description</p> <p>On a (3) three year cycle, the City of Windsor arena facilities require a comprehensive structural inspection report, in accordance with Section 54 (1) (m) of the Occupational Health and Safety Act, Revised Statutes of Ontario, 1990 and the guidelines for "Structural Adequacy of Arenas" of the Association of Professional Engineers of Ontario, published latest edition, as required under the Ontario Ministry of Labour. \$30,000 is required to adhere with Ministry of Labour standards to maintain our compliance within these standards.</p> <p>To complete the extensive capital improvements to our arenas' dressing rooms, showers, restrooms, complete structural assessment work, maintenance programs for all of the plant equipment including refrigeration equipment, compressors, etc., the requested annual funding is outlined for each year in the attached document.</p>
<p>Project Comments/Reference</p> <p>See document attached for complete listing. 7069036</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	375,000	375,000	0	5410	Construction Contracts - TCA											
2023	200,000	200,000	0		375,000	200,000	1,000,000	200,000	1,090,000	1,000,000	0	0	0	700,000	4,565,000	
2024	1,000,000	1,000,000	0		Total	375,000	200,000	1,000,000	200,000	1,090,000	1,000,000	0	0	0	700,000	4,565,000
2025	200,000	200,000	0	Revenues												
2026	1,090,000	1,090,000	0	221	Service Sustainability Investm											
2027	1,000,000	1,000,000	0		375,000	200,000	1,000,000	200,000	1,090,000	1,000,000	0	0	0	700,000	4,565,000	
2028	0	0	0		Total	375,000	200,000	1,000,000	200,000	1,090,000	1,000,000	0	0	0	700,000	4,565,000
2029	0	0	0													
2030	0	0	0													
2031	700,000	700,000	0													
	4,565,000	4,565,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2009	200,000	200,000	0													
2010	400,000	400,000	0													
2011	150,000	150,000	0													
2012	20,000	20,000	0													
2013	20,000	20,000	0													
2014	40,000	40,000	0													
2015	250,000	250,000	0													
2016	250,000	250,000	0													
2017	280,000	280,000	0													
2018	635,000	635,000	0													
2019	250,000	250,000	0													
2020	280,000	280,000	0													
2021	250,000	250,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	No operating budget impact.						0	0				
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2007	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Ray Mensour				Ongoing`								

**Project Attachment
For 2020**

Project No. REC-005-07
Project Name: Municipal Arenas Refurbishments

2022	
Mechanical/Arena Upgrade	375,000
Rink Cameras - CPRC	-
Replace Rink/Lobby Glass	-
Total	375,000

2023	
Structural Assessments	30,000
Mechanical/Arena Upgrade	170,000
Total	200,000

2024	
Mechanical/Arena Upgrade	1,000,000
HVAC Units	-
Rubber Flooring	-
Total	1,000,000

2025	
Mechanical/Arena Upgrade	200,000
Total	200,000

2026	
Structural Assessments	30,000
Mechanical/Arena Upgrade	550,000
CPRC Dressing Room Repairs (Insulation)	200,000
CPRC Lobby South End Entrance	150,000
CPRC Sliding Rink Door	60,000
CPRC Hand Dryers	25,000
CPRC Rink Cameras	25,000
Forest Glade Arena Hand Dryers	25,000
Forest Glade Arena Rink Cameras	25,000
Total	1,090,000

2027	
Mechanical/Arena Upgrade	600,000
Rubber Flooring	300,000
CPRC Score Clock Replacement	50,000
Forest Glade Arena Score Clock Replacement	50,000
Total	1,000,000

2028	
Forest Glade Arena Dressing Room Expansion	-
Adie Knox Arena Dehumidification	-

**Project Attachment
For 2020**

Project No.	REC-005-07	
Total		-

2029

Structural Assessments		-
Mechanical/Arena Upgrade		-
Rubber Flooring (All Facilities)		-
Refrigeration Equipment Replacement		-

Total		-
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2030

Total		-
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2031

Rubber Flooring		100,000
Arena Upgrades		600,000

Total		700,000
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Total 2022-2031		4,565,000
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<u>Identified needs without timing</u>		
New dressing rooms at Lanspeary outdoor rink		1,000,000
Rink Floor Replacement (Forest Glade Rink A)		1,750,000
Rink Floor Replacement (CPRC Rink A)		1,750,000

**Project Attachment
For 2020**

Project No. REC-005-07
Project Name: Municipal Arenas Refurbishments

2021	
Mechanical/Arena Upgrade	250,000
Rink Cameras - FGA	-
Total	250,000

2022	
Mechanical/Arena Upgrade	375,000
Rink Cameras - CPRC	-
Replace Rink/Lobby Glass	-
Total	375,000

2023	
Structural Assessments	30,000
Mechanical/Arena Upgrade	170,000
Total	200,000

2024	
Mechanical/Arena Upgrade	1,000,000
HVAC Units	-
Rubber Flooring	-
Total	1,000,000

2025	
Mechanical/Arena Upgrade	200,000
Total	200,000

2026	
Structural Assessments	30,000
Mechanical/Arena Upgrade	550,000
CPRC Dressing Room Repairs (Insulation)	200,000
CPRC Lobby South End Entrance	150,000
CPRC Sliding Rink Door	60,000
CPRC Hand Dryers	25,000
CPRC Rink Cameras	25,000
Forest Glade Arena Hand Dryers	25,000
Forest Glade Arena Rink Cameras	25,000
Total	1,090,000

2027	
Mechanical/Arena Upgrade	600,000
Rubber Flooring	300,000
CPRC Score Clock Replacement	50,000
Forest Glade Arena Score Clock Replacement	50,000

**Project Attachment
For 2020**

Project No. REC-005-07

Total	1,000,000
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2028

Forest Glade Arena Dressing Room Expansion	-
Adie Knox Arena Dehumidification	-
Total	-

2029

Structural Assessments	-
Mechanical/Arena Upgrade	-
Rubber Flooring (All Facilities)	-
Refrigeration Equipment Replacement	-
Total	-

2030

Total	-
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**Project Attachment
For 2020**

Project No. REC-005-07
Project Name: Municipal Arenas Refurbishments

2020	
Structural Assessments	30,000
Mechanical/Arena Upgrade	250,000
Total	280,000

2021	
Mechanical/Arena Upgrade	250,000
Rink Cameras - FGA	-
Total	250,000

2022	
Mechanical/Arena Upgrade	375,000
Rink Cameras - CPRC	-
Replace Rink/Lobby Glass	-
Total	375,000

2023	
Structural Assessments	30,000
Mechanical/Arena Upgrade	170,000
Total	200,000

2024	
Mechanical/Arena Upgrade	1,000,000
HVAC Units	-
Rubber Flooring	-
Total	1,000,000

2025	
Mechanical/Arena Upgrade	200,000
Total	200,000

2026	
Structural Assessments	30,000
Mechanical/Arena Upgrade	550,000
CPRC Dressing Room Repairs (Insulation)	200,000
Total	780,000

2027	
Mechanical/Arena Upgrade	600,000
Rubber Flooring	300,000
CPRC Lobby South End Entrance	150,000

**Project Attachment
For 2020**

Project No.	REC-005-07	
CPRC Sliding Rink Door		60,000
CPRC Score Clock Replacement		50,000
CPRC Hand Dryers		25,000
CPRC Rink Cameras		25,000
Forest Glade Arena Score Clock Replacement		50,000
Forest Glade Arena Hand Dryers		25,000
Forest Glade Arena Rink Cameras		25,000
Total		1,310,000

2028		
Forest Glade Arena Dressing Room Expansion		450,000
Adie Knox Arena Dehumidification		1,000,000
Total		1,450,000

2029		
Structural Assessments		40,000
Mechanical/Arena Upgrade		1,070,000
Rubber Flooring (All Facilities)		-
Refrigeration Equipment Replacement		-
Total		1,110,000

2030		
Total		-



Project Version Summary

Project #	REC-006-07	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Facilities
Title	Mackenzie Hall Repair and Maintenance		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 2		
Version Name	Main (Active)		

Project Description	Version Description
<p>A 2003 Condition Assessment & Strategy for Repair & Maintenance of Heritage Properties report by architect George Robb & author Peter Stewart identified a problem with the windows at Mackenzie Hall. The report stated that past maintenance efforts at the Hall, such as repair/repainting of wood window sills, were not completely successful because of ill-fitting storm windows and/or uncontrolled high interior humidity. A call for proposals for a study of the humidity/window issue in 2004 revealed that the major problem was the existing single pane replica windows installed in the 1980s.</p> <p>There has since been additional assessments performed on this building with regards to the roof replacement and other restorative recommendations.</p>	<p>Mackenzie Hall requires an annual allotment for various repairs, maintenance and restorations to address unexpected needs and to perform proper maintenance as needed: 2023 - \$50,000, 2026 - \$50,000, 2027 - \$150,000 and 2030 - \$300,000.</p> <p>Specific work identified at this time is as follows: 2023 - Second Floor Washroom Refurbishment (\$200,000) 2026 - Sign Refurbishment (\$75,000) and Exterior Painting (\$50,000), and building maintenance and repairs based on identified needs (\$200,000) 2027 - Phase II Masonry Restoration (\$2,000,000)</p> <p>Enterprise Risk(s): This funding will mitigate against the identified infrastructure enterprise risk. The lack of funding for these works will result in deferral of repairs and increase the likelihood of over expenditures in the operating budget when emergency repairs must be undertaken.</p>
Project Comments/Reference	Version Comments
7073051	

Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	250,000	250,000	0		0	250,000	0	0	375,000	2,150,000	0	0	300,000	0	3,075,000
2024	0	0	0		Total										
2025	0	0	0		0	250,000	0	0	375,000	2,150,000	0	0	300,000	0	3,075,000
2026	375,000	375,000	0	221	Service Sustainability Investm										
2027	2,150,000	2,150,000	0		0	250,000	0	0	375,000	2,150,000	0	0	300,000	0	3,075,000
2028	0	0	0		Total										
2029	0	0	0		0	250,000	0	0	375,000	2,150,000	0	0	300,000	0	3,075,000
2030	300,000	300,000	0												
2031	0	0	0												
	3,075,000	3,075,000	0												
Historical Approved Budget															
Year	Total Expense	Revenue													
		Net City Cost	Subsidies												
2007	24,000	24,000	0												
2008	74,000	74,000	0												
2009	123,000	123,000	0												
2010	200,000	200,000	0												
2011	237,000	237,000	0												
2014	137,000	137,000	0												
2015	77,500	77,500	0												
2016	1,490,000	1,490,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				Unknown	The lack of capital funding would result in further deterioration of the asset and increase the likelihood of expenditures in the operating budget due to repairs.								0	0	
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2007	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %		Derek Thachuk					Ongoing`						



Project Version Summary

Project #	ECB-004-18	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Wigle Park Capital Improvements		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description				Version Description											
On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.				2023- Installation of a perimeter walking path and lighting \$175,000 2025- Parking lot renovations \$145,000											
Project Comments/Reference				Version Comments											
7186000				COMMITMENT: CR4/2019 - C 217/2018 - 2023 F169 \$175,000											
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Revenue				Expenses											
Year	Total Expense	Net City Cost	Subsidies	5410 Construction Contracts - TCA											
2022	0	0	0	0 175,000 0 145,000 0 0 0 0 0 0 0 0 0 320,000											
2023	175,000	175,000	0	Total 0 175,000 0 145,000 0 0 0 0 0 0 0 0 0 320,000											
2024	0	0	0	Revenues											
2025	145,000	145,000	0	169 Pay As You Go - Capital Reserve											
2026	0	0	0	0 0 0 145,000 0 0 0 0 0 0 0 0 0 145,000											
2027	0	0	0	169CF Committed Funding											
2028	0	0	0	0 175,000 0 0 0 0 0 0 0 0 0 0 0 175,000											
2029	0	0	0	Total 0 175,000 0 145,000 0 0 0 0 0 0 0 0 0 320,000											
2030	0	0	0												
2031	0	0	0												
320,000				320,000											
0															
Historical Approved Budget															
				Revenue											
Year	Total Expense	Net City Cost	Subsidies												
2019	150,000	150,000	0												
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date							
2018	March 1, 2018	Growth: 0.0 % Maintenance: 0.0 %	Darron Ahlstedt					TBD`							



Project Version Summary

Project #	ECB-011-18	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Stodgell Park Redevelopment		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 4		
Version Name	Main (Active)		

Project Description				Version Description												
On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.				Installation of an asphalt multi-use trail around the perimeter of the park, accessible parking lot and tree planting. All works will be completed in accordance with the approved Master Plan.												
Project Comments/Reference				Version Comments												
7182019				COMMITMENT: CR4/2019 - C 217/2018 - 2023 F169 \$460,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	0	0	0	5410	Construction Contracts - TCA											
2023	460,000	460,000	0		0	460,000	0	0	0	0	0	0	0	0	460,000	
2024	0	0	0		Total	0	460,000	0	0	0	0	0	0	0	460,000	
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
2028	0	0	0	169CF	Committed Funding											
2029	0	0	0		0	460,000	0	0	0	0	0	0	0	0	460,000	
2030	0	0	0		Total	0	460,000	0	0	0	0	0	0	0	460,000	
2031	0	0	0													
		460,000	460,000	0												
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2018	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %		Trevor Duquette					2023`							



Project Version Summary

Project #	ECB-026-18	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Elizabeth Kishkon Park - Install Washroom		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 7		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																												
On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.				Installation of a washroom facility at the east entrance to the park adjacent to the existing playground and parking lot.																																																																																																																																																																																																																												
Project Comments/Reference				Version Comments																																																																																																																																																																																																																												
7171024				COMMITMENT: CR507/2018 - S 138/2018: 2023 F169 \$400,000 CR350/2021 - C 90/2021: 2022 F169 \$150,000 / 2023 F169 \$50,000																																																																																																																																																																																																																												
Project Forecast				Project Detailed Forecast																																																																																																																																																																																																																												
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2018	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %		Dan Jaworski					TBD`																																																																																																																																																																																																																							



Project Version Summary

Project #	ECB-028-18	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Improvements to Peche Island and Boat Access		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 7		
Version Name	Main (Active)		

Project Description	Version Description
Funding for this project includes the purchase of pontoon boat, restorations to trails, washroom improvements, restoration of bridges and docks along with shoreline preservation. On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.	Allocated funds will be used for dock improvements, signage, trail and pedestrian bridge renovations, shore protection, accessible park amenities and a boat to transport the public to and from the island. Capital funding has been added to this project for \$800,000 allocated in 2023 which represents portion of estimated expenditures in the future complete the project as a result of tender results provided by ERCA from regulatory requirements from the DFO. There is additional funding that will be required that has been identified in 2025 for \$500,000 and 2027 for \$263,670. This results in a total capital forecast for the shoreline protection work for Peche Island at \$1,563,670.

Project Comments/Reference	Version Comments
7183012, 7193002, 7193003	COMMITMENTS: B18/2021 - C 20/2021: 2023 F169 \$800,000

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	0	0	0	5410	Construction Contracts - TCA											
2023	800,000	800,000	0		0	800,000	0	500,000	0	263,670	0	0	0	0	1,563,670	
2024	0	0	0		Total	0	800,000	0	500,000	0	263,670	0	0	0	1,563,670	
2025	500,000	500,000	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	263,670	263,670	0		0	0	0	0	0	0	0	0	0	0	0	
2028	0	0	0	169CF	Committed Funding											
2029	0	0	0		0	800,000	0	0	0	0	0	0	0	0	800,000	
2030	0	0	0	221	Service Sustainability Investm											
2031	0	0	0		0	0	0	500,000	0	263,670	0	0	0	0	763,670	
	1,563,670	1,563,670	0		Total	0	800,000	0	500,000	0	263,670	0	0	0	1,563,670	

Historical Approved Budget			
		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2019	3,750,000	3,750,000	0
2020	68,000	68,000	0

Related Projects	Operating Budget Impact

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
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2018	March 1, 2018	Growth: 0.0 % Maintenance: 0.0 %	James Chacko	TBD`
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Project Version Summary

Project #	ECB-029-18	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Wayfinding Signage and Markers - Ganatchio Trail/Little River		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 6, Ward 7		
Version Name	Main (Active)		

Project Description				Version Description												
Wayfinding Signage and Markers is a very important program and safety feature in our parks which includes the installation of signs and kiosks along trails and throughout parks to help pedestrians orient themselves and navigate through parks. It is also a very important program to continue from a safety perspective to aid Police Fire and EMS to precise locations within our parks when people are in trouble.				2023- Installation of wayfinding signage and markers along the Little River Corridor extension of the Ganatchio Trail to improve orientation for users and emergency services \$100,000 2024- Ojibway and West End Natural Areas \$0 2026- East End Radcliff trails and Malden park Trails \$0 2027- Riverfront Wayfinding Signage and Markers Design and Consulting \$0 2028- Riverfront Wayfinding Signage and Markers Implementation \$0 2030- Woodlots and Natural Area Park Trails \$0												
Project Comments/Reference				Version Comments												
7181047				COMMITMENT: CR4/2019 - C 217/2018 -2023 F169 \$100,000												
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	0	0	0	5410	Construction Contracts - TCA											
2023	100,000	100,000	0		0	100,000	0	0	0	0	0	0	0	0	100,000	
2024	0	0	0		Total	0	100,000	0	0	0	0	0	0	0	100,000	
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
2028	0	0	0	169CF	Committed Funding											
2029	0	0	0		0	100,000	0	0	0	0	0	0	0	0	100,000	
2030	0	0	0		Total	0	100,000	0	0	0	0	0	0	0	100,000	
2031	0	0	0													
100,000		100,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead						Est. Completion Date						
2018	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %		Trevor Duquette						2023`						



Project Version Summary

Project #	ECB-041-18	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Off-Road Cycling Trails		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 2, Ward 7		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																													
In response to the public interest for off-road cycling courses, Council directed Administration to develop plans for constructing two types of cycling tracks at both Malden Park and Little River Corridor Park. This project includes the design and installation of off-road cycling trails along with required signage.				This project involves the creation of off-road bicycle facilities in consultation with the community and with stakeholders. 2022- Addition funding to complete Malden Park trail \$200,000 2023- Malden Park and Little River Corridor Park single trails/ Pump Track at Little River Corridor Park \$500,000; Additional funding required for Little River Corridor Park \$200,000 2024- Additional funding required for Little River Corridor Park \$0 2028- Future Bike Park Development- planning and design \$0																																																																																																																																																																																																																													
Project Comments/Reference				Version Comments																																																																																																																																																																																																																													
7182020				COMMITMENT: CR4/2019 - C 217/2018: 2023 F169 \$500,000 CR453/2021 C 140/2021: 2022 F169 \$200,000																																																																																																																																																																																																																													
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Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date																																																																																																																																																																																																																													
2018	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Trevor Duquette	TBD`																																																																																																																																																																																																																													



Project Version Summary

Project #	ENG-002-14	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Riverside Drive Retaining Wall - Design & Construction & Facility Requirements		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 3, Ward 4		
Version Name	Main (Active)		

Project Description				Version Description													
This project is the continuation of the block retaining wall along the south limits of the new Festival Plaza between Riverside Drive and the Festival Plaza. Phase 1 of retaining runs from Glengarry to McDougal was completed in 2019/2020. The remaining wall will run from McDougal to Vane Udine Cr. The remaining portion of this retaining wall will provide stabilization for the roadway along riverside drive and will allow of a multiuse walkway to continually run along the length of riverside drive as per the Vista Riverside Drive Improvement Project.				2022: Permanent Electrical Panels - \$50,000 2028: Phase 2 Retaining wall Design Drawings \$250,000 2029: Phase 2 Continuation of the wall \$750,000 2030: Phase 2 Continuation of the wall \$750,000													
Project Comments/Reference				Version Comments													
7182021 (closed), 7152005 Festival Plaza is used extensively as an anchor for many festivals and events to provide open air entertainment. The facility, and equipment within, need to support the requirements of the users.																	
Project Forecast				Project Detailed Forecast													
Revenue				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total		
Year	Total Expense	Net City Cost	Subsidies	Expenses													
2022	50,000	50,000	0	5410	Construction Contracts - TCA												
2023	0	0	0		50,000	0	0	0	0	0	250,000	750,000	750,000	0	1,800,000		
2024	0	0	0		Total	50,000	0	0	0	0	250,000	750,000	750,000	0	1,800,000		
2025	0	0	0	Revenues													
2026	0	0	0	169	Pay As You Go - Capital Reserve												
2027	0	0	0		37,500	0	0	0	0	250,000	750,000	750,000	0	1,787,500			
2028	250,000	250,000	0	221	Service Sustainability Investm												
2029	750,000	750,000	0		12,500	0	0	0	0	0	0	0	0	0	12,500		
2030	750,000	750,000	0		Total	50,000	0	0	0	0	250,000	750,000	750,000	0	1,800,000		
2031	0	0	0														
	1,800,000	1,800,000	0														
Historical Approved Budget																	
Revenue																	
Year	Total Expense	Net City Cost	Subsidies														
2019	675,000	675,000	0														
2020	675,000	675,000	0														
Related Projects				Operating Budget Impact													
				Effective Date	Description											Exp/(Rev)	FTE Impact
				Unknown	No operating budget impact.											0	0

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2014	January 1, 2019	Growth: 75.0 % Maintenance: 25.0 %	Wadah Al-Yassiri	2019`



Project Version Summary

Project #	PFO-001-14	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Riverfront Walkway Lighting		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 2, Ward 3, Ward 4		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																																																												
For the installation of new lighting at the City's riverfront as identified in the areas of greatest need.				2022: Ambassador Bridge to Randolph \$479,621																																																																																																																																																																																																																																																												
Project Comments/Reference				Version Comments																																																																																																																																																																																																																																																												
				COMMITMENT: B14/2021 - C 10/2021: 2022 F169 \$256,659 - F221 \$222,962																																																																																																																																																																																																																																																												
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2014	January 1, 2019	Growth: 53.5 % Maintenance: 46.5 %	Wadah Al-Yassiri	2022																																																																																																																																																																																																																																																												



Project Version Summary

Project #	PFO-001-16	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	New Greenhouse Complex Construction and Refurbishments		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 2		
Version Name	Main (Active)		

Project Description				Version Description																																																																												
The existing Lanspeary Park greenhouse complex consists of 7 heated greenhouses housing over 60,000 specialty type plant material. The greenhouses range in age from 10 to 90 yrs. and are at the end of their life cycle. Following the completion of a study by Glos Associates titled "Proposed Relocation/Construction of Lanspeary Park Greenhouse Feasibility Study" dated Sept. 10/18, Council approved the construction of a new greenhouse complex at Jackson Park and referred the funding requirements to the Capital Budget process.				This Design Bid Build project will include the design/build construction of the Jackson Park Greenhouse Complex including administration building, greenhouses, and storage building which would be built to current safety and high energy efficient standards. The new complex is anticipated to offer operational savings to the corporation related to hydro, gas and water resulting from the installation of high efficient systems and processes. The project includes an expansion space for in house production of annuals which are currently outsourced for use in hanging baskets and planters. The greenhouse operation will become increasingly more important to the City Beautification program as the commercial greenhouse industry is trending from flowers to vegetable and medical crop production. The current business case yields the completion of the project in stages with the procurement and design portion being completed, followed by construction of the new greenhouse complex and finally demolition of the existing facilities once the new greenhouses are in operation																																																																												
Project Comments/Reference				Version Comments																																																																												
CR550/2018, Council Report 165/2018 recommends the construction of a new greenhouse at Jackson Park for \$6,573,500. 7183015				COMMITMENT: B7/2021 - C 13/2021: \$1,853,500 in 2022 & \$2,049,460 in 2024 B7/2021 - C 13/2021: \$79,000 2022, \$150,000 2023, \$5000 2024 B28/2021 - C 176/2021: 2023 and 2024 Commitments approved under B7/2021 swapped with F176 during 2022 Capital Budget Development. (F160 -\$375K 2024 F169 -\$150K 2023, -655K 2024 F221 -\$1.025K 2024)																																																																												
Project Forecast				Project Detailed Forecast																																																																												
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2020	150,000	150,000	0																																																																													
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Related Projects			Operating Budget Impact	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2016	December 4, 2021	Growth: 52.8 % Maintenance: 47.2 %	Joe Datillo/ Wanda Letourneau	2025`
			Effective Date Description	Exp/(Rev) FTE Impact
			Unknown The current 75 year old structure is a result of add-ons and extensions with what is now 7 areas connected by hallways and doorways. Each of the 7 areas has its own heat source. The new Greenhouse is expected to provide savings to the Corporation in the way of heating and lighting. The current structure is made of wood and glass which often requires unexpected maintenance costs that are not included within the current operating budget.	0 0
			Unknown Estimated costs to perform minimal repairs to address future health and safety issue and perform major repair activities.	0 0



Project Version Summary

Project #	PFO-001-17	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Adult Exercise Equipment		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description				Version Description												
To install adult exercise equipment in various park locations.																
Project Comments/Reference				Version Comments												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue																
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	0	0	0	5410	Construction Contracts - TCA											
2023	0	0	0		0	0	0	0	0	0	0	0	0	150,000	150,000	
2024	0	0	0		Total	0	0	0	0	0	0	0	0	150,000	150,000	
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		0	0	0	0	0	0	0	0	0	150,000	150,000	
2028	0	0	0		Total	0	0	0	0	0	0	0	0	150,000	150,000	
2029	0	0	0													
2030	0	0	0													
2031	150,000	150,000	0													
	150,000	150,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	Adult Exercise Equipment have a financial impact on the Operating budget. Replacement parts and repairs will be necessary over the lifespan of the equipment.							0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2017	May 3, 2021	Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	2026`												



Project Version Summary

Project #	PFO-001-21	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Waterfront Beacon - Home to Street Car 351		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 2		
Version Name	Main (Active)		

Project Description	Version Description
<p>In 2000, Windsor City Council approved the Central Riverfront Implementation Plan (CRIP). This master planning document, identifies five Beacons which are to be located along the length of the central waterfront and act as nodes encompassing points of orientation, activity and information. The Legacy Beacon is one of the five (5) Beacons and, according to the CRIP, is to be located in Legacy Park on the riverfront at the foot of Caron Avenue.</p> <p>The City of Windsor has been working to identify a permanent home for Streetcar No. 351 once restoration of it is complete. At the October 25, 2021 council meeting City Council approved the Legacy Beacon as the new home for Streetcar No. 351. The Streetcar is to be located inside a building in order to mitigate the various risks if it were to be housed outside.</p>	
Project Comments/Reference	Version Comments
7191003	<p>COMMITMENT: CR476/2021 C 129/2021: 2022 F176 \$1,000,000 (Note: re-allocated from PFO-003-15 approval will be obtained during the 2022 Capital Budget approval) CR317/2020 C 197/2019: 2022 F169 \$300,000 - 2023 F169 \$954,000 - 2024 F169 \$713,934 CR317/2020 C 197/2019: 2024 F169 \$632,066 - 2025 F169 \$1,050,000</p> <p>Commitments moved to F176 RE: Capital Budget 2022 as at 24-Sep-21 F169 -\$903k 2023, -\$1.346k 2024, -\$1.05k 2025</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	4,599,045	4,599,045	0	5410	Construction Contracts - TCA										
2023	50,955	50,955	0		4,599,045	50,955	0	0	0	0	0	0	0	0	4,650,000
2024	0	0	0		Total	4,599,045	50,955	0	0	0	0	0	0	0	4,650,000
2025	0	0	0			5									
2026	0	0	0	Revenues											
2027	0	0	0	169	Pay As You Go - Capital Reserve										
2028	0	0	0		0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	169CF	Committed Funding										
2030	0	0	0		300,000	50,955	0	0	0	0	0	0	0	0	350,955
2031	0	0	0	176	Canada Community Benefit Funding- CCBF Reserve										
					0	0	0	0	0	0	0	0	0	0	0
	4,650,000	4,650,000	0	176CF	Committed Funding										
					4,299,045	0	0	0	0	0	0	0	0	0	4,299,045
Historical Approved Budget					Total	4,599,045	50,955	0	0	0	0	0	0	0	4,650,000
						5									
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2021	January 1, 2020	Growth: 100.0 % Maintenance: 0.0 %		Wadah Al-Yassiri					2021`						



Project Version Summary

Project #	PFO-001-22	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type		Division	Parks
Title	Self-Watering Planters		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards			
Version Name	Main (Active)		

Project Description				Version Description											
Purchase of additional self-watering planters of various sizes are to replace damaged or discoloured, to add to our existing inventory in areas that are deficient within the BIA's and parklands. These planters are twinned with current stand-alone planters at various City locations.				2022- 2030: Annual installation and replacement of planters located in avenue or promenade \$0											
Project Comments/Reference				Version Comments											
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Revenue				Expenses											
Year	Total Expense	Net City Cost	Subsidies												
2022	0	0	0	5410	Construction Contracts - TCA										
2023	0	0	0		0	0	0	0	0	0	0	0	0	60,000	60,000
2024	0	0	0		Total										
2025	0	0	0		0	0	0	0	0	0	0	0	0	60,000	60,000
2026	0	0	0	Revenues											
2027	0	0	0	221	Service Sustainability Investm										
2028	0	0	0		0	0	0	0	0	0	0	0	0	60,000	60,000
2029	0	0	0		Total										
2030	0	0	0		0	0	0	0	0	0	0	0	0	60,000	60,000
2031	60,000	60,000	0												
	60,000	60,000	0												
Historical Approved Budget				Operating Budget Impact											
Related Projects															
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2022		Growth: 0.0 % Maintenance: 0.0 %	Wanda Letourneau												



Project Version Summary

Project #	PFO-002-15	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Playgrounds Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description													
This project will capture the costs of the playground replacement program as a result of the independent audit, compliance with CSA guidelines and AODA standards.				There is a listing included with Council Report C 142/2017 highlighting the prioritization of playgrounds which will be replaced based upon condition and inspections reports. The report also identifies an annual funding requirement for playground replacements over the next 20 years of \$1.5 to \$2M.													
Project Comments/Reference				Version Comments													
7171090				COMMITMENT: CR367/2021 - C 95/2021: 2022 F221 \$1,577,448 - 2023 F221 \$1,343,875 - 2024 F221 \$2,510,302 - 2025 F221 \$2,226,728 - 2026 F221 \$1,771,647													
Project Forecast				Project Detailed Forecast													
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total		
				Expenses													
Year	Total Expense	Revenue	Subsidies														
		Net City Cost															
2022	1,577,448	1,577,448	0	5410	Construction Contracts - TCA												
2023	1,343,875	1,343,875	0		1,577,448	1,343,875	2,510,302	2,226,728	2,903,000	3,053,000	2,600,000	2,600,000	2,600,000	2,600,000	24,014,353		
2024	2,510,302	2,510,302	0		Total	1,577,448	1,343,875	2,510,302	2,226,728	2,903,000	3,053,000	2,600,000	2,600,000	2,600,000	24,014,353		
2025	2,226,728	2,226,728	0			8											
2026	2,903,000	2,903,000	0	Revenues													
2027	3,053,000	3,053,000	0	221	Service Sustainability Investm												
2028	2,600,000	2,600,000	0		0	0	0	1,131,353	3,053,000	2,600,000	2,600,000	2,600,000	2,600,000	2,600,000	14,584,353		
2029	2,600,000	2,600,000	0	221CF	Committed Funding												
2030	2,600,000	2,600,000	0		1,577,448	1,343,875	2,510,302	2,226,728	1,771,647	0	0	0	0	0	9,430,000		
2031	2,600,000	2,600,000	0		Total	1,577,448	1,343,875	2,510,302	2,226,728	2,903,000	3,053,000	2,600,000	2,600,000	2,600,000	24,014,353		
	24,014,353	24,014,353	0			8											
Historical Approved Budget																	
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total		
Year	Total Expense	Revenue	Subsidies														
		Net City Cost															
2018	2,654,172	2,654,172	0														
2019	480,000	480,000	0														
2020	224,595	224,595	0														
2021	1,826,021	1,826,021	0														

Related Projects		Operating Budget Impact																														
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date																												
			<table border="1"> <thead> <tr> <th>Effective Date</th> <th>Description</th> <th>Exp/(Rev)</th> <th>FTE Impact</th> </tr> </thead> <tbody> <tr> <td>Unknown</td> <td>Dedicated staff responsible for playground maintenance and inspections to ensure compliance with CSA guidelines.</td> <td>0</td> <td>3</td> </tr> <tr> <td>Unknown</td> <td>Dedicated supervision for playground inspection procedures and compliance with internal playground inspection policies</td> <td>0</td> <td>1</td> </tr> <tr> <td>Unknown</td> <td>Dedicated trucking costs for playground inspection and maintenance staff</td> <td>0</td> <td>0</td> </tr> <tr> <td>Unknown</td> <td>Telephone costs for playground inspectors for immediate notification of compliance violations and safety issues.</td> <td>0</td> <td>0</td> </tr> <tr> <td>Unknown</td> <td>Clothing costs for dedicated inspection and maintenance costs.</td> <td>0</td> <td>0</td> </tr> <tr> <td>Unknown</td> <td>Fringe costs for staffing dedicated to playground inspection and maintenance activities</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Effective Date	Description	Exp/(Rev)	FTE Impact	Unknown	Dedicated staff responsible for playground maintenance and inspections to ensure compliance with CSA guidelines.	0	3	Unknown	Dedicated supervision for playground inspection procedures and compliance with internal playground inspection policies	0	1	Unknown	Dedicated trucking costs for playground inspection and maintenance staff	0	0	Unknown	Telephone costs for playground inspectors for immediate notification of compliance violations and safety issues.	0	0	Unknown	Clothing costs for dedicated inspection and maintenance costs.	0	0	Unknown	Fringe costs for staffing dedicated to playground inspection and maintenance activities	0	0	
Effective Date	Description	Exp/(Rev)	FTE Impact																													
Unknown	Dedicated staff responsible for playground maintenance and inspections to ensure compliance with CSA guidelines.	0	3																													
Unknown	Dedicated supervision for playground inspection procedures and compliance with internal playground inspection policies	0	1																													
Unknown	Dedicated trucking costs for playground inspection and maintenance staff	0	0																													
Unknown	Telephone costs for playground inspectors for immediate notification of compliance violations and safety issues.	0	0																													
Unknown	Clothing costs for dedicated inspection and maintenance costs.	0	0																													
Unknown	Fringe costs for staffing dedicated to playground inspection and maintenance activities	0	0																													
2014	October 1, 2014	Growth: 0.0 % Maintenance: 100.0 %	Trevor Duquette	Ongoing`																												



Project Version Summary

Project #	PFO-002-21	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type		Division	Parks
Title	Parks Drainage Improvements		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>To establish annual capital funding to improve parks with drainage issue to mitigate flooding which occurs during periods of heavy rainfall. There has been significant drainage issues in parks which has resulted in the flooding of residential properties that are adjacent to parkland throughout the City. An extensive conditional assessment review is required to identify parks that may present significant risk to the residential properties and result in flooding in parkland. The drainage issues also result in flooded sports field which result in the cancellation of events and the loss of revenue for the City recreation division. The flooding that occurs in parkland delays the commencement of grass maintenance as a result of the weight of the park equipment. Improvements to park drainage would reduce the standing water volumes and mitigate the potential damage to parkland and sports fields in periods subsequent to heavy precipitations levels. The projects under this funding will be based upon a conditional review of the drainage for parks to determine the prioritization based upon areas of need.</p>	<p>2022- 2031+ Annual capital funding requirement for drainage improvements \$200,000 to be included in sewer surcharge report as expenditures are eligible for funding. C 8/2021</p>
Project Comments/Reference	Version Comments
7219013	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	125,000	125,000	0	5410	Construction Contracts - TCA										
2023	175,000	175,000	0		125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	1,850,000
2024	175,000	175,000	0		Total	125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	1,850,000
2025	175,000	175,000	0	Revenues											
2026	200,000	200,000	0	028	Sewer Surcharge										
2027	200,000	200,000	0		125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	1,850,000
2028	200,000	200,000	0	169	Pay As You Go - Capital Reserve										
2029	200,000	200,000	0		0	0	0	0	0	0	0	0	0	0	0
2030	200,000	200,000	0		Total	125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	1,850,000
2031	200,000	200,000	0												
	1,850,000	1,850,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2021	125,000	125,000	0	Operating Budget Impact											
Related Projects															
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2021		Growth: 0.0 % Maintenance: 100.0 %	Wadah Al-Yassiri/ Jamie Scott	Ongoing`											



Project Version Summary

Project #	PFO-003-15	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Central Riverfront Improvement Plan		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 2, Ward 3, Ward 4		
Version Name	Main (Active)		

Project Description				Version Description											
The capital funding for this project involves the installation of infrastructure for continued development of the riverfront. Safety items, accommodation of public access and activities for families continue to be a priority. The project will include the development of the Festival Plaza along with trails, beacons and other improvements located at the riverfront.				The priorities of this project will be determined by continued review of the Central Riverfront Implementation Plan as well as Council direction.											
Project Comments/Reference				Version Comments											
7152005/7222000															
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Revenue													
		Net City Cost	Subsidies												
2022	1,740,000	1,740,000	0												
2023	729,540	729,540	0												
2024	2,461,540	2,461,540	0												
2025	2,401,920	2,401,920	0												
2026	100,000	100,000	0												
2027	100,000	100,000	0												
2028	1,682,969	1,682,969	0												
2029	4,442,935	4,442,935	0												
2030	1,381,096	1,381,096	0												
2031	0	0	0												
	15,040,000	15,040,000	0												
Historical Approved Budget															
Year	Total Expense	Revenue													
		Net City Cost	Subsidies												
2018	1,990,000	1,990,000	0												
2019	310,000	310,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	No operating budget impact.							0	0		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2014	January 1, 2018	Growth: 100.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	TBD											



Project Version Summary

Project #	PFO-003-18	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Fred Thomas Splash Pad (Glengarry)		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																										
Council Resolution B54/2017 approved \$300,000 to be charged to 2020 Pay as You Go funding for work planned for the Fred Thomas Splash Pad along Glengarry Avenue. Funding for this project is reserved for a splash pad at either Fred Thomas park or alternative park in the Glengarry neighbourhood.																																																																																																																														
Project Comments/Reference				Version Comments																																																																																																																										
				COMMITMENT: CR550/2021 - C 186/2021: F169 2023 \$150,000																																																																																																																										
Project Forecast				Project Detailed Forecast																																																																																																																										
				<table border="1"> <thead> <tr> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="13">Expenses</td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td>0</td> <td>150,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> <tr> <td>Total</td> <td>0</td> <td>150,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> <tr> <td colspan="13">Revenues</td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>169CF Committed Funding</td> <td>0</td> <td>150,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> <tr> <td>221 Service Sustainability Investm</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Total</td> <td>0</td> <td>150,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> </tbody> </table>													GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Expenses													5410 Construction Contracts - TCA	0	150,000	0	0	0	0	0	0	0	0	150,000	Total	0	150,000	0	0	0	0	0	0	0	0	150,000	Revenues													169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0	169CF Committed Funding	0	150,000	0	0	0	0	0	0	0	0	150,000	221 Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0	Total	0	150,000	0	0	0	0	0	0	0	0	150,000
GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total																																																																																																																			
Expenses																																																																																																																														
5410 Construction Contracts - TCA	0	150,000	0	0	0	0	0	0	0	0	150,000																																																																																																																			
Total	0	150,000	0	0	0	0	0	0	0	0	150,000																																																																																																																			
Revenues																																																																																																																														
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0																																																																																																																			
169CF Committed Funding	0	150,000	0	0	0	0	0	0	0	0	150,000																																																																																																																			
221 Service Sustainability Investm	0	0	0	0	0	0	0	0	0	0	0																																																																																																																			
Total	0	150,000	0	0	0	0	0	0	0	0	150,000																																																																																																																			
Historical Approved Budget																																																																																																																														
				<table border="1"> <thead> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr> <td>2020</td> <td>300,000</td> <td>300,000</td> <td>0</td> </tr> <tr> <td>2021</td> <td>300,000</td> <td>300,000</td> <td>0</td> </tr> </tbody> </table>													Year	Total Expense	Net City Cost	Subsidies	2020	300,000	300,000	0	2021	300,000	300,000	0																																																																																																		
Year	Total Expense	Net City Cost	Subsidies																																																																																																																											
2020	300,000	300,000	0																																																																																																																											
2021	300,000	300,000	0																																																																																																																											
Related Projects				Operating Budget Impact																																																																																																																										
Year Identified	Start Date	Project Type for 2022		Project Lead							Est. Completion Date																																																																																																																			
2018	January 15, 2020	Growth: 0.0 % Maintenance: 0.0 %		Wadah Al-Yassiri							TBD`																																																																																																																			



Project Version Summary

Project #	PFO-003-19	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Parks Lighting		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Placeholder for the installation of new park lighting required for parkland and the replacement of existing lighting which is beyond the useful life. There are many lighting structures located in parks where poles have worn due to age and are in need of renovation to protect the lighting structure and ensure maximum safety to the public. This capital project will ensure asset management principles are maintained within the infrastructure in Parks.				Parks lighting was identified by the public as a significant amenity within parklands in the Parks master plan. Parks administration identified the requirement for annual expenditures of \$100,000 within the ten year forecast period with the exception of 2022 and 2031 which has \$425,000 and \$500,000 forecasted respectively.												
Project Comments/Reference				Version Comments												
7191011/7201022				COMMITMENT: CR453/2021 - C 140/2021: 2022 F221 \$100,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue	Subsidies	Expenses												
		Net City Cost		5410	Construction Contracts - TCA											
2022	425,000	425,000	0		425,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	500,000	1,725,000	
2023	100,000	100,000	0													
2024	100,000	100,000	0		Total	425,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	500,000	1,725,000	
2025	100,000	100,000	0	Revenues												
2026	100,000	100,000	0	169	Pay As You Go - Capital Reserve											
2027	100,000	100,000	0		325,000	0	0	0	0	0	0	0	0	400,000	725,000	
2028	100,000	100,000	0	221	Service Sustainability Investm											
2029	100,000	100,000	0		0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000	
2030	100,000	100,000	0	221CF	Committed Funding											
2031	500,000	500,000	0		100,000	0	0	0	0	0	0	0	0	0	100,000	
	1,725,000	1,725,000	0	Total	425,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	500,000	1,725,000	
Historical Approved Budget																
				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												

2019		Growth: 76.5 % Maintenance: 23.5 %	James Chacko/ Jamie Scott	Ongoing`
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Project Version Summary

Project #	PFO-003-21	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type		Division	Parks
Title	Parks Fencing and Railings		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards			
Version Name	Main (Active)		

Project Description				Version Description											
To identify capital funding required for the replacement and restoration of park fencing and railing located within parks across the city and along our riverfront.				Parks administration identified annual capital expenditures requirements of \$125,000 for the five year forecast from 2021 to 2025 and increasing to \$225,000 from 2025 to 2028. However given the current financial conditions the capital funding restrictions did not allow them to be included in this forecast at this time. Specific areas were identified below to considered in the future capital budget development in this category. 2022- 2027 Construction of Alexander Park railings \$0 2031- St. Paul railing construction \$225,000											
Project Comments/Reference				Version Comments											
Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	0	0	0		0	0	0	0	0	0	0	0	0	225,000	225,000
2024	0	0	0	Total	0	0	0	0	0	0	0	0	0	225,000	225,000
2025	0	0	0	Revenues											
2026	0	0	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	221	Service Sustainability Investm										
2029	0	0	0		0	0	0	0	0	0	0	0	0	225,000	225,000
2030	0	0	0	Total	0	0	0	0	0	0	0	0	0	225,000	225,000
2031	225,000	225,000	0												
	225,000	225,000	0												
Historical Approved Budget				Operating Budget Impact											
Related Projects															
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2021		Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	Ongoing											



Project Version Summary

Project #	PFO-003-22	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type		Division	Parks
Title	Walking Trail in Parks		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards			
Version Name	Main (Active)		

Project Description		Version Description																																																																																																																																																																																																																																																																																										
		\$700K - Trail at Robert McDonald Park \$50K - Lighting at Ford Test Track Field																																																																																																																																																																																																																																																																																										
Project Comments/Reference		Version Comments																																																																																																																																																																																																																																																																																										
Project Forecast		Project Detailed Forecast																																																																																																																																																																																																																																																																																										
		<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Revenue</th> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Year</td> <td>Total Expense</td> <td>Net City Cost</td> <td>Subsidies</td> <td colspan="12">Expenses</td> </tr> <tr> <td>2022</td> <td>0</td> <td>0</td> <td>0</td> <td>5410</td> <td colspan="11">Construction Contracts - TCA</td> </tr> <tr> <td>2023</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>750,000</td> <td>750,000</td> </tr> <tr> <td>2024</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>750,000</td> <td>750,000</td> </tr> <tr> <td>2025</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>750,000</td> <td>750,000</td> </tr> <tr> <td>2026</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>750,000</td> <td>750,000</td> </tr> <tr> <td>2027</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>750,000</td> <td>750,000</td> </tr> <tr> <td>2028</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>750,000</td> <td>750,000</td> </tr> <tr> <td>2029</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>750,000</td> <td>750,000</td> </tr> <tr> <td>2030</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>750,000</td> <td>750,000</td> </tr> <tr> <td>2031</td> <td>750,000</td> <td>750,000</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>750,000</td> <td>750,000</td> </tr> <tr> <td></td> <td>750,000</td> <td>750,000</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="4"></td> <td colspan="12">Revenues</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>169</td> <td colspan="11">Pay As You Go - Capital Reserve</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>750,000</td> <td>750,000</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>750,000</td> <td>750,000</td> </tr> </tbody> </table>													Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Year	Total Expense	Net City Cost	Subsidies	Expenses												2022	0	0	0	5410	Construction Contracts - TCA											2023	0	0	0		0	0	0	0	0	0	0	0	0	750,000	750,000	2024	0	0	0		0	0	0	0	0	0	0	0	0	750,000	750,000	2025	0	0	0		0	0	0	0	0	0	0	0	0	750,000	750,000	2026	0	0	0		0	0	0	0	0	0	0	0	0	750,000	750,000	2027	0	0	0		0	0	0	0	0	0	0	0	0	750,000	750,000	2028	0	0	0		0	0	0	0	0	0	0	0	0	750,000	750,000	2029	0	0	0		0	0	0	0	0	0	0	0	0	750,000	750,000	2030	0	0	0		0	0	0	0	0	0	0	0	0	750,000	750,000	2031	750,000	750,000	0		0	0	0	0	0	0	0	0	0	750,000	750,000		750,000	750,000	0																	Revenues																169	Pay As You Go - Capital Reserve																0	0	0	0	0	0	0	0	0	750,000	750,000						0	0	0	0	0	0	0	0	0	750,000	750,000
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2022		Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri																																																																																																																																																																																																																																																																																									



Project Version Summary

Project #	PFO-004-21	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Parks Sports Courts Improvements		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
This program fully replaces and rebuilds existing sports courts or creates new ones in the city based on the parks and recreation master plans.				2023: Sports Court refurbishment \$300,000 2025: Sports Court refurbishment \$50,000 2031: Sports Court refurbishment \$200,000												
Project Comments/Reference				Version Comments												
7212007-Forest Glade Tennis/ Pickleball Court				COMMITMENT: CR347/2021 - C 61/2021: 2023 F169 \$300,000 - 2025 F169 \$50,000												
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	0	0	0	5410	Construction Contracts - TCA											
2023	300,000	300,000	0		0	300,000	0	50,000	0	0	0	0	0	500,000	850,000	
2024	0	0	0		Total	0	300,000	0	50,000	0	0	0	0	500,000	850,000	
2025	50,000	50,000	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		0	0	0	0	0	0	0	0	0	500,000	500,000	
2028	0	0	0	169CF	Committed Funding											
2029	0	0	0		0	300,000	0	50,000	0	0	0	0	0	0	350,000	
2030	0	0	0		Total	0	300,000	0	50,000	0	0	0	0	500,000	850,000	
2031	500,000	500,000	0													
		850,000	850,000	0												
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2021	500,000	500,000	0													
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead							Est. Completion Date					
2021		Growth: 0.0 % Maintenance: 0.0 %		Darron Ahlstedt							Ongoing					



Project Version Summary

Project #	PFO-004-22	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type		Division	Parks
Title	Pave Parkside Tennis and Jackson Park for Bright Lights		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards			
Version Name	Main (Active)		

Project Description				Version Description												
Pavement of areas related to the Parkside tennis access and parking lot for Windsor Lawn Bowling club.				2031- \$450k to pave the tennis areas and the entire area up to and including the north side of the lawn bowling club.												
Project Comments/Reference				Version Comments												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	0	0	0	5410 Construction Contracts - TCA												
2023	0	0	0	0 0 0 0 0 0 0 0 0 0 0 0 0 450,000 450,000												
2024	0	0	0	Total 0 0 0 0 0 0 0 0 0 0 0 0 0 450,000 450,000												
2025	0	0	0	Revenues												
2026	0	0	0	169 Pay As You Go - Capital Reserve												
2027	0	0	0	0 0 0 0 0 0 0 0 0 0 0 0 0 450,000 450,000												
2028	0	0	0	Total 0 0 0 0 0 0 0 0 0 0 0 0 0 450,000 450,000												
2029	0	0	0													
2030	0	0	0													
2031	450,000	450,000	0													
450,000				450,000												
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2022		Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri													



Project Version Summary

Project #	PFO-005-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Regional Parks Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>Regional Parks have a higher service level and benefit the entire community, surrounding communities, tourist and visitors to Windsor. Regional Park projects focus on park redevelopment including improvements to major park amenities such as fountains, buildings, community centres, gateway features and other heritage items that may be present. Regional parks include riverfront parks, sports parks, horticultural displays and heritage parks.</p>	<p>Version Description</p> <p>2022: Mic Mac Picnic Shelter and Pathway \$200,000 2024: Jackson Park planning, design and restorations for the sunken garden \$400,000 (Phase One) 2025: Jackson Park Sunken Garden Restorations \$300,000 (Phase Two) 2026: Jackson Park Sunken Garden restorations continuation \$500,000 (Phase Two) 2027: Jackson Parks Sunken Garden water fountain restorations \$600,000 2028: Coventry Gardens retaining walls and pathway \$300,000 2029-2030: Jackson Park Gate restorations \$600,000 2031: Coventry Gardens Redevelopment \$300,000</p>
<p>Project Comments/Reference</p> <p>7151013/7181027/7161024 (Closed) 7129002/7171065/7171027/7181026/7201020/7221022</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	200,000	200,000	0	5410	Construction Contracts - TCA										
2023	0	0	0		200,000	0	400,000	300,000	500,000	600,000	300,000	300,000	300,000	300,000	3,200,000
2024	400,000	400,000	0		Total	200,000	0	400,000	300,000	500,000	600,000	300,000	300,000	300,000	3,200,000
2025	300,000	300,000	0	Revenues											
2026	500,000	500,000	0	151	Parks/Rec/Facil Acquis Funding										
2027	600,000	600,000	0		0	0	400,000	0	0	0	0	0	0	0	400,000
2028	300,000	300,000	0	221	Service Sustainability Investm										
2029	300,000	300,000	0		200,000	0	0	300,000	500,000	600,000	300,000	300,000	300,000	300,000	2,800,000
2030	300,000	300,000	0		Total	200,000	0	400,000	300,000	500,000	600,000	300,000	300,000	300,000	3,200,000
2031	300,000	300,000	0												
	3,200,000	3,200,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2012	585,000	585,000	0												
2013	336,379	174,750	161,629												
2014	510,000	510,000	0												
2015	831,000	831,000	0												
2016	220,000	220,000	0												
2017	500,000	500,000	0												
2018	500,000	500,000	0												
2019	1,000,000	1,000,000	0												
2020	250,000	250,000	0												
2021	955,000	955,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown								0	0		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2012	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Wadah Al-Yassiri	Ongoing`											



Project Version Summary

Project #	PFO-005-18	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Shorewall Capital Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 3, Ward 7		
Version Name	Main (Active)		

Project Description				Version Description													
This capital program is for the repair/refurbishment/replacement of shorewalls along the riverfront.				Work will be identified through the conditional assessment report . These are placeholder values only. Funding will be allocated based on failing infrastructure and a future report to council of required funding association with each segment.													
Project Comments/Reference				Version Comments													
7209006																	
Project Forecast				Project Detailed Forecast													
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total		
Year	Total Expense	Net City Cost	Subsidies	Expenses													
2022	425,003	425,003	0	5410	Construction Contracts - TCA												
2023	8,885	8,885	0		425,003	8,885	511,266	592,000	592,000	592,000	600,000	600,000	600,000	600,000	5,121,154		
2024	511,266	511,266	0		Total	425,003	8,885	511,266	592,000	592,000	592,000	600,000	600,000	600,000	5,121,154		
2025	592,000	592,000	0	Revenues													
2026	592,000	592,000	0	221	Service Sustainability Investm												
2027	592,000	592,000	0		425,003	8,885	511,266	592,000	592,000	592,000	600,000	600,000	600,000	600,000	5,121,154		
2028	600,000	600,000	0		Total	425,003	8,885	511,266	592,000	592,000	592,000	600,000	600,000	600,000	5,121,154		
2029	600,000	600,000	0														
2030	600,000	600,000	0														
2031	600,000	600,000	0														
	5,121,154	5,121,154	0														
Historical Approved Budget																	
				Year	Total Expense	Net City Cost	Subsidies										
				2020	1,740	1,740	0										
				2021	135,621	135,621	0										
Related Projects				Operating Budget Impact													
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date													
2018	May 1, 2018	Growth: 0.0 % Maintenance: 100.0 %	Wadah Al-Yassiri	Ongoing`													



Project Version Summary

Project #	PFO-005-19	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Parks & Recreation Service and Infrastructure Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Parks and Recreation service and infrastructure rehabilitation throughout the City. This funding represents a placeholder for installation or replacement of significant features in a Park or in a Recreation Facility.				Boer War Monument												
Project Comments/Reference				Version Comments												
7204002				COMMITMENT: CR195/2020 - S 109/2019 (SCM 92/2020): 2023 F221 \$105,000.												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	0	0	0	5410	Construction Contracts - TCA											
2023	105,000	105,000	0		0	105,000	395,000	500,000	0	0	0	0	0	0	1,000,000	
2024	395,000	395,000	0		Total	0	105,000	395,000	500,000	0	0	0	0	0	1,000,000	
2025	500,000	500,000	0	Revenues												
2026	0	0	0	221	Service Sustainability Investm											
2027	0	0	0		0	0	395,000	500,000	0	0	0	0	0	0	895,000	
2028	0	0	0	221CF	Committed Funding											
2029	0	0	0		0	105,000	0	0	0	0	0	0	0	0	105,000	
2030	0	0	0		Total	0	105,000	395,000	500,000	0	0	0	0	0	1,000,000	
2031	0	0	0													
	1,000,000	1,000,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date								
2019	January 1, 2023	Growth: 0.0 % Maintenance: 0.0 %	Ray Mensour					2023`								



Project Version Summary

Project #	PFO-005-20	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Natural Areas Management Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description

The Natural Areas division is responsible for multiple sites of 620 acres of natural areas, 600m of fencing, 9200m of trails, bridges, gates, boardwalks, interpretive and wayfinding signage. The natural areas include Ojibway Park, Black Oak Heritage Park, Tallgrass Prairie Heritage Park, Spring Garden Natural Area, Peche Island, South Cameron Woodlot, and Oakwood Natural Area.

These areas need to be monitored for public safety, species at risk, invasive species, vandalism, unauthorized uses, destruction of nationally significant natural areas, hazardous conditions both from flooding and winds as well as people modifying the landscape and using it inappropriately.

Management of these natural areas include repair and maintenance of public accessible amenities (signage, trails, boardwalks, bridges, boardwalks), protection for species at risk (compliance with Endangered Species Act, 2007), preservation of nationally endangered ecosystems, control of invasive species, and monitoring of ecosystems and biodiversity.

These management works are necessary to mitigate risk and to protect the City's investment in these highly sensitive and nationally significant natural areas.

There is a the potential to apply for grants that would provide matching funds which would be used to do additional work to catch up on the backlog of invasive species removal and prescribed burning of fire-dependant ecosystems. Initially work would begin within Black Oak Heritage Park due to the ongoing pressures and backlog of management works at that site.

Project Comments/Reference

7219014

Version Description

The estimated costs for this project represent an annual estimate. The Black Oak Management Plan which was approved by council in 2019 made it apparent that a capital budget will be required in order to implement the recommendations included in the plan.

Version Comments

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	100,000	100,000	0	5410	Construction Contracts - TCA										
2023	200,000	200,000	0		100,000	200,000	100,000	100,000	100,000	100,000	150,000	150,000	150,000	200,000	1,350,000
2024	100,000	100,000	0		Total	100,000	200,000	100,000	100,000	100,000	150,000	150,000	150,000	200,000	1,350,000
2025	100,000	100,000	0	Revenues											
2026	100,000	100,000	0	221	Service Sustainability Investm										
2027	100,000	100,000	0		100,000	200,000	100,000	100,000	100,000	100,000	150,000	150,000	150,000	200,000	1,350,000
2028	150,000	150,000	0		Total	100,000	200,000	100,000	100,000	100,000	150,000	150,000	150,000	200,000	1,350,000
2029	150,000	150,000	0												
2030	150,000	150,000	0												
2031	200,000	200,000	0												
	1,350,000	1,350,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2021	100,000	100,000	0	Operating Budget Impact											
Related Projects															
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2020	April 1, 2020	Growth: 0.0 % Maintenance: 100.0 %	Paul Giroux	Ongoing`											



Project Version Summary

Project #	PFO-005-21	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Park Splash Pads		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
<p>Splash pads are a popular park amenity and are recommended as per the Parks, Recreation and Environmental Master plans. They will be implemented accordingly across the City as per planning documents funding required for design and construction. This funding does not include washrooms or change rooms which are required to properly service this park amenity. Parks without existing washroom facilities will need to seek additional funding.</p>				<p>Parks administration had identified the capital requirement for splash pads to provide greater level of amenities within Community and Neighbourhood parkland. The estimated expenditures required preliminary design work and construction costs for each splash pad. Due to current financial conditions the capital funding restrictions only allowed for funding of the Fontainebleau Splash Pad, which is also being funded through a contribution from the Councillor's Ward Funds</p> <p>2022-2024 : Fontainebleau Splash Pad \$150,000</p> <p>Other specific locations have been identified below for future consideration:</p> <p>2025- Alexander Park Splash Pad construction \$0 2027- Elizabeth Kishkon Splash Pad construction \$0 2031- Additional Splash Pad Locations \$200,000</p>												
Project Comments/Reference				Version Comments												
7214001-Fontainebleau Splash Pad				COMMITMENT: CR348/2021 - S 73/2021: 2022 F169 \$50,000 - 2023 F169 \$50,000 - 2024 \$169 \$50,000 (Fontainebleau Splash Pad)												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
				Expenses												
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	50,000	50,000	0	5410	Construction Contracts - TCA											
2023	50,000	50,000	0		50,000	50,000	50,000	0	0	0	0	0	0	400,000	550,000	
2024	50,000	50,000	0	Total	50,000	50,000	50,000	0	0	0	0	0	0	400,000	550,000	
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		0	0	0	0	0	0	0	0	0	400,000	400,000	
2028	0	0	0	169CF	Committed Funding											
2029	0	0	0		50,000	50,000	50,000	0	0	0	0	0	0	0	150,000	
2030	0	0	0	Total	50,000	50,000	50,000	0	0	0	0	0	0	400,000	550,000	
2031	400,000	400,000	0													
	550,000	550,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2021	50,000	50,000	0													
Related Projects				Operating Budget Impact												

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2021		Growth: 100.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	Ongoing`



Project Version Summary

Project #	PFO-005-22	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	New Multi-Use Trails		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards			
Version Name	Main (Active)		

Project Description				Version Description											
For the development of new trails within parkland that are deficient in this amenity or without existing trails. This capital funding would be allocated to areas in the City that Parks administration would determine to be in the greatest need of multi-use trails and would be evaluated on an annual basis. Parks Master Plan identified trails to be one of the most important recreational amenities in parks.															
Project Comments/Reference				Version Comments											
7221023															
Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	300,000	300,000	0	5410	Construction Contracts - TCA										
2023	0	0	0		300,000	0	0	0	0	0	0	0	0	0	300,000
2024	0	0	0		Total	300,000	0	0	0	0	0	0	0	0	300,000
2025	0	0	0	Revenues											
2026	0	0	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		300,000	0	0	0	0	0	0	0	0	0	300,000
2028	0	0	0		Total	300,000	0	0	0	0	0	0	0	0	300,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	300,000	300,000	0												
Historical Approved Budget															
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022		Project Lead						Est. Completion Date					
2022		Growth: 100.0 % Maintenance: 0.0 %		Wadah Al-Yassiri/ James Chacko											



Project Version Summary

Project #	PFO-006-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Community Parks Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Community parks vary in size and are designed to service a diverse population and provide opportunities for all types of recreation, social and cultural activities. Community parks have more amenities than neighbourhood parks and can include large sport fields, splash pads, community centres, large playground areas, sport courts, picnic shelters and other park amenities. Projects undertaken will focus on rehabilitating major park amenities.				2022: Lanspeary Park Improvements Design \$250,000 2023: Lanspeary Park Improvements- \$500,000 2026: MacDonald Park Design- \$250,000; Lanspeary Park Improvements- \$250,000 2027: Lanspeary Park Improvements- \$500,000												
Project Comments/Reference				Version Comments												
7171024/7181042/7191039/7221024 Closed:7129011/7151014																
Project Forecast				Project Detailed Forecast												
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Net City Cost	Subsidies													
2022	250,000	250,000	0	5410												
2023	500,000	500,000	0		250,000	500,000	0	0	500,000	500,000	0	0	0	0	1,750,000	
2024	0	0	0		Total	250,000	500,000	0	0	500,000	500,000	0	0	0	1,750,000	
2025	0	0	0		Revenues											
2026	500,000	500,000	0	126												
2027	500,000	500,000	0			22,500	0	0	0	0	0	0	0	0	22,500	
2028	0	0	0	151												
2029	0	0	0			227,500	0	0	0	0	0	0	0	0	227,500	
2030	0	0	0	169												
2031	0	0	0			0	0	0	0	0	0	0	0	0	0	
	1,750,000	1,750,000	0	221												
						0	500,000	0	0	500,000	500,000	0	0	0	1,500,000	
					Total	250,000	500,000	0	0	500,000	500,000	0	0	0	1,750,000	
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2013	450,000	450,000	0													
2014	751,282	751,282	0													
2015	750,000	750,000	0													
2016	577,000	577,000	0													
2017	250,000	250,000	0													
2019	500,000	500,000	0													
2020	500,000	500,000	0													
2021	250,000	250,000	0													

Related Projects			Operating Budget Impact	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2012	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Heidi Baillargeon	Ongoing`



Project Version Summary

Project #	PFO-006-18	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Ditch Cutting Equipment for Vacant Properties/Phragmites Control		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																												
As per B38/2018, City Council approved on Monday Jan. 15th, 2018 the purchase of a ditch cutting flail mower/wet blade.																																																																																																																																																																																																																																
Project Comments/Reference				Version Comments																																																																																																																																																																																																																												
Through the use of a wet blade, herbicide is applied when cutting the vegetation. The primary difference between the use of a wet blade and other herbicide-applying and mowing products is the precision application. The herbicide is not sprayed into the atmosphere, the surroundings or the ground. The herbicide is applied precisely at the time of cut for maximum effectiveness. 7181033				COMMITMENT: B38/2018 - C 243/2017: 2022 F169 \$266,280																																																																																																																																																																																																																												
Project Forecast				Project Detailed Forecast																																																																																																																																																																																																																												
				<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Revenue</th> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Year</td> <td>Total Expense</td> <td>Net City Cost</td> <td>Subsidies</td> <td colspan="12">Expenses</td> </tr> <tr> <td>2022</td> <td>266,280</td> <td>266,280</td> <td>0</td> <td>5110 Machinery & Equipment - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2023</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>266,280</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>266,280</td> </tr> <tr> <td>2024</td> <td>0</td> <td>0</td> <td>0</td> <td>Total</td> <td>266,280</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>266,280</td> </tr> <tr> <td>2025</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="12">Revenues</td> </tr> <tr> <td>2026</td> <td>0</td> <td>0</td> <td>0</td> <td>169CF Committed Funding</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2027</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>266,280</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>266,280</td> </tr> <tr> <td>2028</td> <td>0</td> <td>0</td> <td>0</td> <td>Total</td> <td>266,280</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>266,280</td> </tr> <tr> <td>2029</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="12"></td> </tr> <tr> <td>2030</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="12"></td> </tr> <tr> <td>2031</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="12"></td> </tr> <tr> <td colspan="2"></td> <td>266,280</td> <td>266,280</td> <td>0</td> <td colspan="11"></td> </tr> </tbody> </table>															Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Year	Total Expense	Net City Cost	Subsidies	Expenses												2022	266,280	266,280	0	5110 Machinery & Equipment - TCA												2023	0	0	0		266,280	0	0	0	0	0	0	0	0	0	266,280	2024	0	0	0	Total	266,280	0	0	0	0	0	0	0	0	0	266,280	2025	0	0	0	Revenues												2026	0	0	0	169CF Committed Funding												2027	0	0	0		266,280	0	0	0	0	0	0	0	0	0	266,280	2028	0	0	0	Total	266,280	0	0	0	0	0	0	0	0	0	266,280	2029	0	0	0													2030	0	0	0													2031	0	0	0															266,280	266,280	0											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total																																																																																																																																																																																																																	
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2028	0	0	0	Total	266,280	0	0	0	0	0	0	0	0	0	266,280																																																																																																																																																																																																																	
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Related Projects				Operating Budget Impact																																																																																																																																																																																																																												
Year Identified	Start Date	Project Type for 2022		Project Lead						Est. Completion Date																																																																																																																																																																																																																						
2018	February 1, 2018	Growth: 100.0 % Maintenance: 0.0 %		James Chacko/Angela Marazita						May 31, 2018																																																																																																																																																																																																																						



Project Version Summary

Project #	PFO-006-19	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Recycling Silos in Parks		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
Purchase and installation of additional recycling silos which would be twinned with current stand alone garbage silos at City Parks. Installation of new recycling silos in areas that are deficient within parklands.	2021- 2023: Purchase and installation of additional recycling silos which would be twinned with current stand alone garbage silos at City Parks 2024- 2028+: Installation of new recycling silos in areas that are deficient within parklands.

Project Comments/Reference	Version Comments
7192008	

Project Forecast	Project Detailed Forecast																																																																																																												
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Historical Approved Budget																	
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Year	Total Expense	Net City Cost	Subsidies														
2019	65,000	65,000	0														
2020	64,000	64,000	0														
2021	64,000	64,000	0														

Related Projects	Operating Budget Impact

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2019	May 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	James Chacko/ Jamie Scott	Ongoing`



Project Version Summary

Project #	PFO-006-20	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Riverfront Walkway Stabilization		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 3, Ward 7		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																							
Project funding is to ensure the integrity and stabilization of the walkway located at the river's edge. Stabilization of the walkway is not related to the shore wall infrastructure which is funded separate. This project is supported by the asset management principles as detailed in report S 129/2019.				2025: Riverfront Walkway restorations Legacy Park - \$1,500,000 2026: Riverfront Walkway restoration Legacy Park - \$500,000 2028: Riverfront Walkway restorations St. Paul Pumping Station- \$500,000 2029: Riverfront Walkway restorations St. Paul Pumping Station- \$500,000 2030: Riverfront Walkway restorations Centennial Park- \$500,000																																																																																																																																																																																																																							
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2020		Growth: 0.0 % Maintenance: 0.0 %		Wadah Al-Yassiri						Ongoing																																																																																																																																																																																																																	



Project Version Summary

Project #	PFO-007-11	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Tree Maintenance and Urban Forest Enhancement Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>The Forestry Division is responsible for the maintenance of approximately 65,000 street trees along the right-of-way and 20,000 parkland trees. In addition to this, the division also ensures that the City's natural areas are cared for in a responsible way. Tree maintenance involves the trimming of trees to promote health, longevity and safety while tree and stump removal is reserved for trees that are badly damaged by storms and or for trees that are in decline from age and other environmental factors. Historically, the Division has carried out limited preventative maintenance programs, through area trims but on a small scale (ie. area trim that was completed in Forest Glade back in 2015). However, as the City's trees have matured and aged and as storms continue to take their toll on their condition, the Division strictly operates on a reactive basis, fielding over 5,500 calls per year for maintenance.</p> <p>An update of the Forestry plan was presented to Council via report S184/2017 to propose a preventative maintenance program which would not only improve the health and safety of the City's trees but would also serve to prevent the future occurrence of another tree maintenance backlog. The Council report recommended that \$2,080,000 be referred to the future capital budget deliberations. This project funding level would be required to maintain appropriate asset management principles.</p>	<p>The funding allocated for this project has yielded positive results for the division. Recent restructuring to the Division and its contracts have increased the capacity and production of our division in terms of inspections and completed work orders. Waiting times for tree maintenance has been significantly reduced over the last few years. Not only will this program reduce the number of complaints, service requests and the likelihood of another tree maintenance back log from occurring, but will also improve the health of the City's urban forest while reducing the number of tree related claims and liability exposure to the City.</p> <p>2022: \$1,544,143 Tree Trimming Preventative Maintenance \$250,000 Tree Planting \$200,000 Tree Removals TOTAL: \$1,994,143</p> <p>2023: \$1,544,143 Tree Trimming Preventative Maintenance \$250,000 Tree Planting \$200,000 Tree Removals TOTAL: \$1,994,143</p> <p>2024: \$1,795,143 Tree Trimming Preventative Maintenance \$250,000 Tree Planting \$200,000 Tree Removals TOTAL: \$2,245,143</p> <p>2025: \$1,544,143 Tree Trimming Preventative Maintenance \$250,000 Tree Planting \$200,000 Tree Removals TOTAL: \$1,994,143</p> <p>2026: \$1,580,000 Tree Trimming Preventative Maintenance \$250,000 Tree Planting \$250,000 Tree Removals TOTAL: \$2,080,000</p> <p>2027: \$1,580,000 Tree Trimming Preventative Maintenance \$250,000 Tree Planting \$250,000 Tree Removals \$1,544,143 Tree Trimming Preventative Maintenance \$250,000 Tree Planting \$250,000 Tree Removals TOTAL: \$2,080,000</p> <p>2028- 2031+: \$3,160,000 Tree Trimming Preventative Maintenance \$500,000 Tree Planting \$500,000 Tree Removals TOTAL: \$4,160,000</p>

Project Comments/Reference 7131021	Version Comments COMMENTS: The Corporate asset management plan report S129/2019 was presented to Council on July 29th, 2019 which indicates the annual funding requirement for preventative tree maintenance of \$2,080,000 which represents a funding shortfall of \$1,294,143 with an average of \$785,857 from 2019 to 2025. Response to Council Directive B32/2018 "That Administration provide information on any available subsidized programs which may exist by investigating best practices used in other municipalities; and that this information be provided during the 2019 Budget deliberation process". UPDATE Administration continues to seek opportunities to address this request . To date no funding programs have been found to assist with this addressing this need and or the eligibility requirements were such that we were not able to apply. Administration will continue to look for any new programs that might become available. COMMITMENT: CR 349/2021 - S 79/2021: 2022 F221 \$1,849,415 - 2023 F221 \$1,851,959
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Project Forecast				Project Detailed Forecast											
Revenue				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	1,994,143	1,994,143	0	2980	Contracted Services										
2023	1,994,143	1,994,143	0		1,994,143	1,994,143	2,245,143	1,994,143	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	20,707,572
2024	2,245,143	2,245,143	0		Total	1,994,143	1,994,143	2,245,143	1,994,143	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	20,707,572
2025	1,994,143	1,994,143	0	Revenues											
2026	2,080,000	2,080,000	0	221	Service Sustainability Investm										
2027	2,080,000	2,080,000	0		144,728	142,184	2,245,143	1,994,143	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	17,006,198
2028	2,080,000	2,080,000	0	221CF	Committed Funding										
2029	2,080,000	2,080,000	0		1,849,415	1,851,959	0	0	0	0	0	0	0	0	3,701,374
2030	2,080,000	2,080,000	0		Total	1,994,143	1,994,143	2,245,143	1,994,143	2,080,000	2,080,000	2,080,000	2,080,000	2,080,000	20,707,572
2031	2,080,000	2,080,000	0												
	20,707,572	20,707,572	0												

Historical Approved Budget			
Revenue			
Year	Total Expense	Net City Cost	Subsidies
2012	65,000	65,000	0
2013	96,250	96,250	0
2014	121,250	121,250	0
2015	225,000	225,000	0
2016	210,000	210,000	0
2017	250,000	250,000	0
2018	710,000	710,000	0
2019	746,500	746,500	0
2020	2,232,643	2,232,643	0
2021	1,994,143	1,994,143	0

Related Projects		Operating Budget Impact		
Effective Date	Description	Exp/(Rev)	FTE Impact	
Unknown	Forestry Analyst to assist with tree inventory program.	0	1	

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2011	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Paul Giroux	Ongoing`



Project Version Summary

Project #	PFO-007-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Neighbourhood Parks Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>Neighbourhood parks are smaller in scale and are designed to compliment and contribute to the character of their neighbourhoods including more passive recreational amenities. Projects undertaken under neighbourhood parks will focus on complete redevelopment of the entire park. Typically, the City will focus on those parks that are deemed to be out of date, lack resources and do not attract users. Redevelopment improvements include, but are not limited to, improved landscaping, pathway development and demolition/renovation of outdated park amenities.</p>	<p>Version Description</p> <p>2022: McKee Park- \$150,000 2025: Bradley Park - \$348,000 2026: Bradley Park - \$152,000 and Maple Leaf Park - \$500,000 2027: Factoria Park- \$0 2028-2030: Various Neighbourhood Park Development- \$300,000</p>
<p>Project Comments/Reference</p> <p>Closed: 7129003,7161025,7151015,7184007,7171025 Open: 7181041/7201021/7221003</p>	<p>Version Comments</p> <p>COMMITMENT: CR453/2021 - C 140/2021: 2022 F169 \$150,000</p>

Project Forecast				Project Detailed Forecast													
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total		
		Net City Cost	Subsidies														
2022	150,000	150,000	0	Expenses													
2023	0	0	0	5410	Construction Contracts - TCA												
2024	0	0	0		150,000	0	0	348,000	652,000	0	100,000	100,000	100,000	400,000	1,850,000		
2025	348,000	348,000	0	Total	150,000	0	0	348,000	652,000	0	100,000	100,000	100,000	400,000	1,850,000		
2026	652,000	652,000	0	Revenues													
2027	0	0	0	169	Pay As You Go - Capital Reserve												
2028	100,000	100,000	0		0	0	0	348,000	652,000	0	0	0	0	400,000	1,400,000		
2029	100,000	100,000	0	169CF	Committed Funding												
2030	100,000	100,000	0		150,000	0	0	0	0	0	0	0	0	0	150,000		
2031	400,000	400,000	0	221	Service Sustainability Investm												
					0	0	0	0	0	0	100,000	100,000	100,000	0	300,000		
	1,850,000	1,850,000	0	Total	150,000	0	0	348,000	652,000	0	100,000	100,000	100,000	400,000	1,850,000		
Historical Approved Budget																	
Year	Total Expense	Revenue															
		Net City Cost	Subsidies														
2012	70,000	70,000	0														
2014	300,000	300,000	0														
2015	340,500	340,500	0														
2016	250,000	250,000	0														
2017	250,000	250,000	0														
2019	500,000	500,000	0														
2020	610,000	610,000	0														
2021	250,000	250,000	0														
Related Projects				Operating Budget Impact													
				Effective Date	Description									Exp/(Rev)	FTE Impact		
				Unknown												0	0
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date													
2012	January 1, 2015	Growth: 133.3 % Maintenance: (33.3 %)	Wadah Al-Yassiri	Ongoing`													



Project Version Summary

Project #	PFO-008-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	New Park Design/Development/Construction		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
Capital funding for the development of new parkland throughout the City. Developers under agreement in subdivision development provide 5% land for a park plus additional funds per acre to construct the park and provide amenities. The collected fees are deposited into Reserve Fund 151 - Land Acquisitions - Other than Highways. The future costs are related to Sandwich South Employment Lands which is expected to occur in 2026.	2022- New Parks Development Linear Trails and Lights- \$300,000 (Phase One) 2023- New Parks Development Linear Trails and Lights- \$400,000 (Phase Two) 2026- Sandwich South Employment Lands \$300,000

Project Comments/Reference	Version Comments
7129004/ 7171026/7211053	COMMITMENTS: CR368/2021 - IN-CAMERA: 2022 F151 \$300,000 -2023 F151 \$400,000

Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Revenue		Expenses											
		Net City Cost	Subsidies	5410	Construction Contracts - TCA										
2022	300,000	300,000	0		300,000	400,000	0	0	300,000	0	0	0	0	0	1,000,000
2023	400,000	400,000	0		Total										
2024	0	0	0		300,000	400,000	0	0	300,000	0	0	0	0	0	1,000,000
2025	0	0	0	Revenues											
2026	300,000	300,000	0	151	Parks/Rec/Facil Acquis Funding										
2027	0	0	0		0	0	0	300,000	0	0	0	0	0	0	300,000
2028	0	0	0	151CF	Committed Funding										
2029	0	0	0		300,000	400,000	0	0	0	0	0	0	0	0	700,000
2030	0	0	0		Total										
2031	0	0	0		300,000	400,000	0	0	300,000	0	0	0	0	0	1,000,000
	1,000,000	1,000,000	0												

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2012	300,000	300,000	0
2017	300,000	300,000	0

Related Projects	Operating Budget Impact	Exp/(Rev)	FTE Impact
	Effective Date Description		
	Unknown New Parks have a significant impact on the Parks operations budget. Any new park development add to the grass cutting and the trail maintenance schedule. Trees will be added to these areas, which will require regular maintenance during the first 3 years, to ensure tree health. Where floral displays are prominent the Horticulture Operating Budget is significantly impacted.	0	0

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2012	January 1, 2021	Growth: 100.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	Ongoing`



Project Version Summary

Project #	PFO-008-17	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Riverfront Exercise Equipment		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 4		
Version Name	Main (Active)		

Project Description				Version Description											
To design and develop adult exercise equipment located at the Riverfront. The original budget as per the approved 2017 enhanced Capital Budget 5-year plan was \$100K. As per B56/2017, a detailed report has not yet come before Council to formally approve this project.															
Project Comments/Reference				Version Comments											
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2022	0	0	0												
2023	0	0	0												
2024	0	0	0												
2025	0	0	0												
2026	0	0	0												
2027	0	0	0												
2028	0	0	0												
2029	0	0	0												
2030	800,000	800,000	0												
2031	0	0	0												
800,000		800,000	0												
Historical Approved Budget															
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2017	January 23, 2021	Growth: 0.0 % Maintenance: 0.0 %		Wadah Al-Yassiri					2021`						



Project Version Summary

Project #	PFO-009-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Park Bridges/Shelters/Buildings/Capital Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
This capital program includes replacement and renovations of bridges, shelters, buildings and other park structures which may need replacement. Bridge and culvert inspection are carried out on an annual basis to prioritize repairs and replacements.				2022: Ojibway Park Bridge and Parking Lot- \$168,000 2022/23: Wildwood Gazebo - \$180,000 Little River Corridor Park - Washrooms - \$700,000 2024: Jackson Park Picnic Shelter (New Roof Only By Splash Pad) - \$100,000 2026: Realtor Park Picnic Shelter - \$132,000 2027- 2031: East End Building Design and Construction- \$2,550,000												
Project Comments/Reference				Version Comments												
7171027/7221025/7221026/7221027																
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	918,000	918,000	0	5410	Construction Contracts - TCA											
2023	130,000	130,000	0		918,000	130,000	100,000	0	132,000	1,300,000	250,000	250,000	250,000	500,000	3,830,000	
2024	100,000	100,000	0		Total	918,000	130,000	100,000	0	132,000	1,300,000	250,000	250,000	250,000	500,000	3,830,000
2025	0	0	0	Revenues												
2026	132,000	132,000	0	169	Pay As You Go - Capital Reserve											
2027	1,300,000	1,300,000	0		750,000	130,000	0	0	0	0	0	0	0	0	880,000	
2028	250,000	250,000	0	221	Service Sustainability Investm											
2029	250,000	250,000	0		168,000	0	100,000	0	132,000	1,300,000	250,000	250,000	250,000	500,000	2,950,000	
2030	250,000	250,000	0		Total	918,000	130,000	100,000	0	132,000	1,300,000	250,000	250,000	250,000	500,000	3,830,000
2031	500,000	500,000	0													
	3,830,000	3,830,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2012	50,000	50,000	0													
2013	50,000	50,000	0													
2014	50,000	50,000	0													
2015	50,000	50,000	0													
2016	50,000	50,000	0													
2017	50,000	50,000	0													
2019	300,000	300,000	0													

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
			Effective Date	Description	0	0
			Unknown	Capital projects may yield lower repair costs incurred by operating department depending upon the level of structure repairs.		
2012	January 1, 2015	Growth: 81.7 % Maintenance: 18.3 %	Wadah Al-Yassiri	Ongoing`		



Project Version Summary

Project #	PFO-009-20	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Parks Signage		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																																															
This project is for the installation of signage for parkland required to be updated and locations currently without signs throughout the City.				Park Signage installation to be identified throughout city parkland on a priority basis. Parks administration identified annual capital requirement estimated to be \$100,000 for the ten year forecast period. Due to current economic conditions there were capital funding restrictions that did not allow for the allocation of the expenditures within the budget at this time.																																																																																																																																																																																																																																															
Project Comments/Reference				Version Comments																																																																																																																																																																																																																																															
Project Forecast				Project Detailed Forecast																																																																																																																																																																																																																																															
<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Revenue</th> <th colspan="13"></th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="4">Expenses</td> <td colspan="13"></td> </tr> <tr> <td>2022</td> <td>0</td> <td>0</td> <td>0</td> <td>5410</td> <td colspan="10">Construction Contracts - TCA</td> <td></td> </tr> <tr> <td>2023</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>400,000</td> <td>400,000</td> </tr> <tr> <td>2024</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>400,000</td> <td>400,000</td> </tr> <tr> <td>2025</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>2026</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>2027</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>2028</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>2029</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>2030</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> </tr> <tr> <td>2031</td> <td>400,000</td> <td>400,000</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>400,000</td> <td>400,000</td> </tr> <tr> <td colspan="2">400,000</td> <td>400,000</td> <td>0</td> <td colspan="13"></td> </tr> </tbody> </table>						Revenue															Year	Total Expense	Net City Cost	Subsidies	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Expenses																	2022	0	0	0	5410	Construction Contracts - TCA											2023	0	0	0		0	0	0	0	0	0	0	0	0	400,000	400,000	2024	0	0	0		0	0	0	0	0	0	0	0	0	400,000	400,000	2025	0	0	0		0	0	0	0	0	0	0	0	0			2026	0	0	0		0	0	0	0	0	0	0	0	0			2027	0	0	0		0	0	0	0	0	0	0	0	0			2028	0	0	0		0	0	0	0	0	0	0	0	0			2029	0	0	0		0	0	0	0	0	0	0	0	0			2030	0	0	0		0	0	0	0	0	0	0	0	0			2031	400,000	400,000	0		0	0	0	0	0	0	0	0	0	400,000	400,000	400,000		400,000	0																										
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Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date																																																																																																																																																																																																																																										
2020	April 1, 2020	Growth: 0.0 % Maintenance: 0.0 %		Wadah Al-Yassiri					Ongoing																																																																																																																																																																																																																																										



Project Version Summary

Project #	PFO-010-17	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Dog Park Development		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 2		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																
For Development of Dog Parks within Parkland throughout the City as per the Parks master plan. New Dog Park policy was approved by Council which highlighted standard amenities to be included.				2031 - East End Dog Park																																																																																																																																
Project Comments/Reference				Version Comments																																																																																																																																
7171066																																																																																																																																				
Project Forecast				Project Detailed Forecast																																																																																																																																
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GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total																																																																																																																									
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Year	Total Expense	Revenue	Net City Cost	Subsidies																																																																																																																																
2021	75,000	75,000	0	0																																																																																																																																
Related Projects				Operating Budget Impact																																																																																																																																
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date																																																																																																																											
2017	January 23, 2021	Growth: 0.0 % Maintenance: 0.0 %		Trevor Duquette					2026`																																																																																																																											



Project Version Summary

Project #	PFO-010-20	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Park Bench Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
To establish a program for the annual replacement of benches that are deemed to be unsafe and in a state of disrepair. As a result of the Accessibility for Ontarians with Disabilities Act (AODA) requirements when benches are due for replacement they are to be removed and replaced with handicap accessible benches. The cement pads that the benches are placed must also meet AODA standards requiring larger cement bases, which is a significant increase to the cost. Without these funds benches will need to be removed and not replaced. Trails are the most significant park feature for the community as identified in the Parks Master Plan. Benches are an important component of the trail system. This budget funding supports the asset management plan initiative as per Council report 129/2019.				There are approximately 1,500 benches located throughout various Parks which are being tracked by Parks operations. There are various types of benches located within parkland such as wood, metal and concrete with various styles. A significant number of these benches are well beyond their useful lives and are in need of replacement. It is estimated that over 75% of the existing bench asset inventory are in need of repairs. The department is recommending that a budget is established for the replacement of benches that would allow for the current inventory of benches to be replaced over a 10 year period which would provide an enhanced level of service to the bench replacement program.												
Project Comments/Reference				Version Comments												
7209007, 7201022				COMMITMENT: CR453/2021 - C 140/2021: 2022 F221 \$50,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	50,000	50,000	0													
2023	50,000	50,000	0													
2024	50,000	50,000	0													
2025	50,000	50,000	0													
2026	50,000	50,000	0													
2027	50,000	50,000	0													
2028	50,000	50,000	0													
2029	50,000	50,000	0													
2030	50,000	50,000	0													
2031	75,000	75,000	0													
	525,000	525,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2020	50,000	50,000	0													
2021	50,000	50,000	0													

Related Projects		Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2020		Growth: 0.0 % Maintenance: 100.0 %	James Chacko/ Jamie Scott	Ongoing`



Project Version Summary

Project #	PFO-011-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Beautification of Civic Gateways and Other Open Spaces		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description											
Projects include new Civic Gateways and Open Space development projects at various locations across Windsor. City beautification includes any open space development project undertaken on City owned property. Further beautification efforts adding to our gateway initiatives include Lauzon Parkway at E.C. Row and Wyandotte Street East Median Improvements and Downtown Improvements				Funding has been identified and will be coordinated with future City beautification project being conducted by City Engineering department that have a civic gateway, median or open space component that is maintained by the Parks department.											
Project Comments/Reference				Version Comments											
7129006															
Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	0	0	0		0	0	0	0	300,000	300,000	0	0	0	0	600,000
2024	0	0	0	Total	0	0	0	0	300,000	300,000	0	0	0	0	600,000
2025	0	0	0	Revenues											
2026	300,000	300,000	0	169	Pay As You Go - Capital Reserve										
2027	300,000	300,000	0		0	0	0	0	300,000	300,000	0	0	0	0	600,000
2028	0	0	0	Total	0	0	0	0	300,000	300,000	0	0	0	0	600,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	600,000	600,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2012	125,000	125,000	0												
2014	104,000	104,000	0												
2015	200,000	200,000	0												
2016	215,000	215,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description									Exp/(Rev)	FTE Impact
				Unknown	The changes made to City gateways and corridors have a significant impact on the level of service provided by Parks operations and horticulture staff. Major initiatives requiring significant resource impact the capacity of the Parks department to maintain sports fields and core functions throughout the City.									0	0

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2012	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %	Wadah Al-Yassiri	Ongoing`



Project Version Summary

Project #	PFO-012-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Park Trails Capital Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>Repairs are required to regularly maintain asphalt and granular base trails making them safe and thereby decreasing litigation and claims. There is a growing backlog of required trail repairs which are replaced as far as funding will allow. Repairs, resurfacing, bollards, curb maintenance, safety markings and signs are all potential replacements. There are over 120 kms of trails in our system and ongoing refurbishment of sections of trails are necessary to maintain a safe and usable overall trail system. The average life span of an asphalt trail is 15-20 years. Major trails such as the Ganatchio Trail south, Grande Marais trail, Southwood Lakes and inter park trails are approaching the end of their lifecycle. Parks currently maintains over 120km of trails in the system. The 2017 Parks Master Plan identified trails to be one of the most important recreational amenities in parks.</p>	<p>Version Description</p> <p>Asset management plan is being developed which will incorporate conditional assessment reports which will identify the trails in need of replacement. Priority will be given to those areas based on inspection results and listing of trails will be detailed each year based upon funding available.</p>
<p>Project Comments/Reference</p> <p>(7129012 Closed)/7161026/7181041/7184007/7201022</p>	<p>Version Comments</p> <p>COMMITMENT: CR453/2021 - C 140/2021: 2022 F221 \$600,000</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	1,200,000	1,200,000	0	5410	Construction Contracts - TCA											
2023	0	0	0		1,200,000	0	100,000	100,000	300,000	100,000	300,000	300,000	225,000	340,000	2,965,000	
2024	100,000	100,000	0		Total	1,200,000	0	100,000	100,000	300,000	100,000	300,000	300,000	225,000	340,000	2,965,000
2025	100,000	100,000	0			0										
2026	300,000	300,000	0		Revenues											
2027	100,000	100,000	0	151	Parks/Rec/Facil Acquis Funding											
2028	300,000	300,000	0		0	0	0	200,000	0	300,000	300,000	100,000	0	900,000		
2029	300,000	300,000	0	176	Canada Community Benefit Funding- CCBF Reserve											
2030	225,000	225,000	0		600,000	0	0	0	0	0	0	0	0	600,000		
2031	340,000	340,000	0	221	Service Sustainability Investm											
	2,965,000	2,965,000	0		0	0	100,000	100,000	100,000	100,000	0	0	125,000	340,000	865,000	
				221CF	Committed Funding											
					600,000	0	0	0	0	0	0	0	0	0	600,000	
					Total	1,200,000	0	100,000	100,000	300,000	100,000	300,000	300,000	225,000	340,000	2,965,000
						0										
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2016	200,000	200,000	0	Operating Budget Impact												
2017	200,000	200,000	0	Effective Date	Description							Exp/(Rev)	FTE Impact			
2019	736,000	736,000	0	Unknown	The increase in trail replacement reduces the operational repairs and maintenance for older trails at the end of their expected life.						0	0				
2020	200,000	200,000	0	Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date								
2021	200,000	200,000	0	2012	January 1, 2016	Growth: 0.0 % Maintenance: 100.0 %	Wadah Al-Yassiri	Ongoing`								



Project Version Summary

Project #	PFO-013-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Park-Related Parking Lots Capital Upgrades		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
Parking lots are an ongoing program that requires continuous upgrades to meet the needs of users and the standards set out by the City of Windsor By-laws. The parks and recreation system has over 80 parking lots of various sizes and conditions. The existing parking lot surfaces range from simple gravel lots to curbed paved and drained lots built to the current city standards. On average the one parking lot per year is renovated or rebuilt. A parking lot condition report will be carried out in 2020 in conjunction with the asset management plan.	2022: Riverside Baseball Parking Lot \$200,000 2023-2026: Malden Park parking lot on Matchette Rd \$1,150,000 2026: Malden Park parking lot for Visitor Centre \$500,000 2027-2028: Mic Mac parking lots \$500,000 2029-2030- Walker Homesite \$600,000 2031- Spring Garden Natural Area Environmental Parking Lot \$375,000 Conditional assessment reports will be developed which will allow for parking lot replacements to be identified and prioritized.

Project Comments/Reference	Version Comments
(7129007 Closed) 7159012 / 7181026 / 7191036	COMMITMENT: CR111/2020 - C 28/2020: 2022 F169 \$50,000 - 2022 F221 \$150,000 (Riverside Baseball Parking Lot)

Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue																
Year	Total Expense	Net City Cost	Subsidies													
2022	200,000	200,000	0													
2023	200,000	200,000	0													
2024	100,000	100,000	0													
2025	350,000	350,000	0													
2026	500,000	500,000	0													
2027	200,000	200,000	0													
2028	300,000	300,000	0													
2029	300,000	300,000	0													
2030	300,000	300,000	0													
2031	375,000	375,000	0													
	2,825,000	2,825,000	0													
				Expenses												
				5410	Construction Contracts - TCA											
					200,000	200,000	100,000	350,000	500,000	200,000	300,000	300,000	300,000	375,000	2,825,000	
				Total	200,000	200,000	100,000	350,000	500,000	200,000	300,000	300,000	300,000	375,000	2,825,000	
				Revenues												
				169	Pay As You Go - Capital Reserve											
					0	50,000	25,000	25,000	0	0	0	0	0	100,000	200,000	
				169CF	Committed Funding											
					50,000	0	0	0	0	0	0	0	0	0	50,000	
				221	Service Sustainability Investm											
					0	150,000	75,000	325,000	500,000	200,000	300,000	300,000	300,000	275,000	2,425,000	
				221CF	Committed Funding											
					150,000	0	0	0	0	0	0	0	0	0	150,000	
				Total	200,000	200,000	100,000	350,000	500,000	200,000	300,000	300,000	300,000	375,000	2,825,000	

Historical Approved Budget			
Revenue			
Year	Total Expense	Net City Cost	Subsidies
2012	75,000	75,000	0
2019	1,000,000	1,000,000	0
2020	500,000	500,000	0
2021	200,000	200,000	0

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
			Unknown	The level of capital replacements will impact the repair and maintenance costs on park operations. The longer the projects are deferred the increase in the level of repairs are required in each parking lot.	0	0
2012	January 1, 2019	Growth: 25.0 % Maintenance: 75.0 %	Wadah Al-Yassiri	2024+		



Project Version Summary

Project #	PFO-014-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Park Community Partnership Initiatives		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Partnerships can include any user group wishing to contribute funding to a project for the improvement of any park asset, facility or space within the community. Partnership projects will be presented to and approved by Council on a project by project basis.																
Project Comments/Reference				Version Comments												
7129015 7201031- Riverside Miracle Park																
Project Forecast				Project Detailed Forecast												
Revenue				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	25,000	25,000	0	5410	Construction Contracts - TCA											
2023	25,000	25,000	0		25,000	25,000	25,000	25,000	0	0	25,000	25,000	25,000	50,000	225,000	
2024	25,000	25,000	0		Total	25,000	25,000	25,000	25,000	0	0	25,000	25,000	25,000	50,000	225,000
2025	25,000	25,000	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		25,000	25,000	25,000	25,000	0	0	25,000	25,000	25,000	50,000	225,000	
2028	25,000	25,000	0		Total	25,000	25,000	25,000	25,000	0	0	25,000	25,000	25,000	50,000	225,000
2029	25,000	25,000	0													
2030	25,000	25,000	0													
2031	50,000	50,000	0													
	225,000	225,000	0													
Historical Approved Budget																
Revenue																
Year	Total Expense	Net City Cost	Subsidies													
2012	275,000	25,000	250,000													
2013	25,000	25,000	0													
2014	25,000	25,000	0													
2015	25,000	25,000	0													
2016	25,000	25,000	0													
2017	25,000	25,000	0													
2019	25,000	25,000	0													
2020	25,000	25,000	0													
2021	25,000	25,000	0													



Project Version Summary

Project #	PFO-015-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Parks Master Plan		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description											
The Parks Master Plan was last updated in 2017. This program created a new document that defines and shapes our parks system for the foreseeable future. This master plan is living document aligned with the City's capital budget forecast and will be updated every 5 years with attainable goals. This master plan will be phased in and adjusted periodically through internal strategic reviews.				2022- Update to Master Plan 2026- Master plan revisions 2027- Update to Master Plan 2028- Master plan revisions											
Project Comments/Reference				Version Comments											
7129013 (closed) 7212008				COMMITMENT: CR453/2021 - C 140/2021: 2022 F221 \$50,000											
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Revenue		Expenses											
		Net City Cost	Subsidies	2980	Contracted Services										
2022	50,000	50,000	0		50,000	0	0	0	125,000	50,000	50,000	0	0	0	275,000
2023	0	0	0												
2024	0	0	0												
2025	0	0	0												
2026	125,000	125,000	0												
2027	50,000	50,000	0												
2028	50,000	50,000	0												
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	275,000	275,000	0												
Historical Approved Budget				Revenues											
Year	Total Expense	Revenue		221	Service Sustainability Investm										
2013	140,000	140,000	0		0	0	0	125,000	50,000	50,000	0	0	0	0	225,000
2021	50,000	50,000	0												
				221CF	Committed Funding										
					50,000	0	0	0	0	0	0	0	0	0	50,000
					50,000	0	0	0	125,000	50,000	50,000	0	0	0	275,000
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Master Plan will guide future investment and prioritization of operating budget funding allocation based upon determined level of service.							0	0		
Year Identified	Start Date	Project Type for 2022	Project Lead				Est. Completion Date								
2012	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Wadah Al-Yassiri				Ongoing								



Project Version Summary

Project #	PFO-016-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Parkland Acquisitions		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description											
This general parkland acquisition & development project is used for purchases and development of lands for parks, as these lands become available. The acquisition and disposition of parkland is necessary to balance the system and provide an even distribution of parkland in all classifications to service the needs of residents as per the City of Windsor Official Plan.															
Project Comments/Reference				Version Comments											
(Closed: 7129014/7181019) 7219015															
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Revenue													
		Net City Cost	Subsidies												
2022	50,000	50,000	0												
2023	50,000	50,000	0												
2024	50,000	50,000	0												
2025	50,000	50,000	0												
2026	50,000	50,000	0												
2027	50,000	50,000	0												
2028	50,000	50,000	0												
2029	50,000	50,000	0												
2030	50,000	50,000	0												
2031	50,000	50,000	0												
	500,000	500,000	0												
Historical Approved Budget															
Year	Total Expense	Revenue													
		Net City Cost	Subsidies												
2018	13,000	13,000	0												
2021	50,000	50,000	0												
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022	Project Lead						Est. Completion Date						
2012	January 1, 2024	Growth: 100.0 % Maintenance: 0.0 %	Wadah Al-Yassiri/ James Chacko						Ongoing						



Project Version Summary

Project #	PFO-017-12	Service Area	Community Services
Budget Year	2022	Department	Parks & Facilities
Asset Type	Unassigned	Division	Parks
Title	Playground Equipment Removal		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Playground Equipment Removal (Active)		

Project Description				Version Description												
This project is required to fund the removal of playground equipment which is either being removed and not replaced or does not meet safety standards. The playground equipment audit is completed every five years with the expenditures being allocated to this project. The removal of non-compliant equipment to clear areas will mitigate possible future injuries and claims.				This project will fund the removal of playground equipment that have been identified as not being replaced as identified in Council report 142/2017. All costs to restore the park after the removal of the playground equipment will be included in this project.												
Project Comments/Reference				Version Comments												
7129009																
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	100,000	100,000	0	5410	Construction Contracts - TCA											
2023	100,000	100,000	0		100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000	
2024	100,000	100,000	0		Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000	
2025	100,000	100,000	0	Revenues												
2026	100,000	100,000	0	151	Parks/Rec/Facil Acquis Funding											
2027	100,000	100,000	0		0	0	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	600,000	
2028	100,000	100,000	0	221	Service Sustainability Investm											
2029	100,000	100,000	0		100,000	100,000	100,000	100,000	0	0	0	0	0	0	400,000	
2030	100,000	100,000	0		Total	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000	
2031	100,000	100,000	0													
	1,000,000	1,000,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2012	100,000	100,000	0													
2013	154,000	154,000	0													
2014	162,468	162,468	0													
2015	158,500	158,500	0													
2016	150,000	150,000	0													
2017	100,000	100,000	0													
2019	100,000	100,000	0													
2020	100,000	100,000	0													
2021	100,000	100,000	0													

Related Projects			Operating Budget Impact	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2012	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Jamie Scott	Ongoing`



Project Version Summary

Project #	PFO-003-20	Service Area	Community Services
Budget Year	2022	Department	Recreation & Culture
Asset Type	Unassigned	Division	Admin - Recreation & Culture
Title	Holiday Lights Capital Maintenance		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description				Version Description													
Holiday Lights requires funding for ongoing repair, replacement and maintenance of lights and other equipment.				Bright Lights requires an annual allotment for various repairs and maintenance to address unexpected needs and to perform proper maintenance as needed.													
Project Comments/Reference				Version Comments													
7171089																	
Project Forecast				Project Detailed Forecast													
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total		
Year	Total Expense	Net City Cost	Subsidies	Expenses													
2022	50,000	50,000	0	5411	Construction Contracts-Non TCA												
2023	105,801	105,801	0		50,000	105,801	50,000	50,000	50,000	0	50,000	0	0	405,801			
2024	50,000	50,000	0		Total	50,000	105,801	50,000	50,000	0	50,000	0	0	405,801			
2025	50,000	50,000	0	Revenues													
2026	50,000	50,000	0	221	Service Sustainability Investm												
2027	50,000	50,000	0		50,000	105,801	50,000	50,000	50,000	0	50,000	0	0	405,801			
2028	0	0	0		Total	50,000	105,801	50,000	50,000	0	50,000	0	0	405,801			
2029	50,000	50,000	0														
2030	0	0	0														
2031	0	0	0														
	405,801	405,801	0														
Historical Approved Budget																	
				Year	Total Expense	Net City Cost	Subsidies										
				2020	44,199	44,199	0										
				2021	50,000	50,000	0										
Related Projects				Operating Budget Impact													
				Effective Date	Description	Exp/(Rev)	FTE Impact										
				Unknown	The lack of capital funding would result in deferral of repairs and increase the likelihood to additional spending in the operating budget.	0	0										
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date													
2020	January 1, 2020	Growth: 0.0 % Maintenance: 100.0 %	Ray Mensour	Ongoing													



Project Version Summary

Project #	REC-001-08	Service Area	Community Services
Budget Year	2022	Department	Recreation & Culture
Asset Type	Unassigned	Division	Community Centres & Programming
Title	The WFCU Centre Transitional Budget		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 7		
Version Name	Main (Active)		

Project Description				Version Description												
Additional funds required due to the Miracle Diamond shortfall in land sales which was to fund the business case plan for the development of the WFCU centre.				As per report # C 72/2017 re the Proposed Redevelopment of the Riverside Arena Site, revised projections to fund the East End WFCU pool materialized in an estimated \$400k shortfall from the initial \$1.8m projection.												
Project Comments/Reference				Version Comments												
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	400,000	400,000	0	5410	Construction Contracts - TCA											
2023	0	0	0		400,000	0	0	0	0	0	0	0	0	0	400,000	
2024	0	0	0		Total	400,000	0	0	0	0	0	0	0	0	400,000	
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		400,000	0	0	0	0	0	0	0	0	0	400,000	
2028	0	0	0		Total	400,000	0	0	0	0	0	0	0	0	400,000	
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	400,000	400,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead							Est. Completion Date					
2008	January 1, 2008	Growth: 100.0 % Maintenance: 0.0 %		Jan Wilson							Jan 01, 2009`					



Project Version Summary

Project #	REC-002-14	Service Area	Community Services
Budget Year	2022	Department	Recreation & Culture
Asset Type	Unassigned	Division	Community Centres & Programming
Title	Relocation of Sandpoint Beach		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 7		
Version Name	Main (Active)		

Project Description	Version Description
<p>On March 4, 2013 Council approved B3/2013 "That the report from the Executive Director of Recreation and Culture regarding the provision of lifeguards at Sandpoint Beach BE RECEIVED and further that the reinstatement of funds for the lifeguards in the amount of \$60,272 in the 2013 operating budget as part of the base budget BE APPROVED, and further, that the option of moving the beach further east on the property BE REFERRED to future Capital Budget deliberations".</p> <p>Included in the March 4, 2013 report was information on the audit of Sandpoint Beach by the Lifesaving Society. Regarding the location of the beach, the Lifesaving Society audit included the following: Primary Recommendation Number 6 – Restrict access to the western edge of the supervised beach. The recommendation states in part, "Beach and water access to the western edge of the beach should be restricted. The City may also want to consider closing this beach in favour of moving it further eastwards. At a minimum, beach patrons should be restricted from accessing this area of the beach by installing additional fencing which will reduce the designated beach area." Amenities currently at the beach include a play ground, sand volleyball court, picnic tables and a kayak/wind surfing launch area.</p> <p>The redevelopment would move Sandpoint Beach further east on the property. With this option, the existing beach at the western location would be renovated and converted to land use only, including shoreline improvements that would serve to discourage access to the water in this section. The public beach access would be moved further east and would be smaller in size than the current beach. The opportunity exists at Sandpoint Beach to create a master plan for future development that will take advantage of this valuable asset on the waterfront. Additional engineering consultation would be required from a number of regulatory bodies for a full scope. For example, a new groin may be required depending on the currents to trap sand in order to facilitate retention of sand at the new location. It may be possible to phase this project, with the first phase providing functional amenities, and additional phases providing amenities to enhance the use of the park.</p> <p>Relocation of Sandpoint Beach is projected to require over \$10M in funding.</p>	<p>The redevelopment of the property and has the highest capital budget impact. Administration has completed a preliminary capital cost estimate for the project including shoreline improvements, infrastructure requirements, landscape requirements and other amenities. Consulting with the regulatory bodies for further detailed estimates will be required. Administration recognizes that funds are not available for a project of this magnitude at this time, however, this project could be considered for a future project should grants become available from senior levels of government. Traditionally, shoreline protection has been cost shared with senior levels of government. The operating budget impact incorporates the reinstatement of the costs for the lifeguarding component of the operation. Depending on additional amenities desired for this space (i.e. sand volleyball courts, accessible playground, splash pad) additional operating budget requirements would be identified.</p> <p>In February 2018, CR 83/2018 was approved requesting an estimate from administration to conduct a preliminary study. The requested \$227,500 is for phase 1 of the capital project, to conduct the necessary environmental assessment in order to become aware of potential long-term options for the site. Based on the results of this assessment, administration will be much better equipped to provide the requirements for future funding and planning needed for a long-term solution.</p> <p>In June 2021, CR265/2021 was approved authorizing the environmental assessment. The environmental assessment is expected to be completed by the end of 2022; a report to Council detailing the results will follow.</p>
Project Comments/Reference	Version Comments
7209003	COMMITMENT: CR 265/2021 - CAO-Clerks File SR/14130: 2024 F221 \$187,500 - 2024 F169 \$40,000

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	777,000	777,000	0		0	777,000	250,500	0	0	0	300,000	300,000	300,000	0	1,927,500
2024	250,500	250,500	0		Total										0
2025	0	0	0	Revenues											
2026	0	0	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		0	777,000	0	0	0	0	0	0	0	0	777,000
2028	300,000	300,000	0	169CF	Committed Funding										
2029	300,000	300,000	0		0	0	40,000	0	0	0	0	0	0	0	40,000
2030	300,000	300,000	0	176	Canada Community Benefit Funding- CCBF Reserve										
2031	0	0	0		0	0	23,000	0	0	0	0	0	0	0	23,000
	1,927,500	1,927,500	0	221	Service Sustainability Investm										
					0	0	0	0	0	0	300,000	300,000	300,000	0	900,000
				221CF	Committed Funding										
					0	0	187,500	0	0	0	0	0	0	0	187,500
					Total										0
					0	777,000	250,500	0	0	0	300,000	300,000	300,000	0	1,927,500
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2020	22,500	22,500	0	Operating Budget Impact											
Related Projects				Effective Date	Description	Exp/(Rev)	FTE Impact								
				Unknown	Should the reconfiguration of Sandpoint Beach result in the same size and basic design as the existing beach, there would be no impact to the operating budget. However, if the reconfiguration results in an expanded size, and if the amenities attract additional attendance, there is a potential for the requirement to increase the number of lifeguards up to an additional 3 part time guards. This would result in an additional cost in wages of approximately \$23,300.	0	0								
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2014	September 1, 2024	Growth: 0.0 % Maintenance: 0.0 %	Ray Mensour & Jen Knights	2024+											



Project Version Summary

Project #	REC-003-07	Service Area	Community Services
Budget Year	2022	Department	Recreation & Culture
Asset Type	Unassigned	Division	Community Centres & Programming
Title	Municipal Pools Refurbishment Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>Upgrades/refurbishments to municipal pools are required to ensure that they remain functional and do not pose a hazard. The infrastructure we currently have must be maintained in order to ensure continued high customer service standards. Prioritizing pool improvements to ensure they remain functional is the objective of this capital request. The possibility of procuring external subsidies with various levels of government bodies will be explored.</p>	<p>Version Description</p> <p>Recreation and Culture's pool infrastructure must be maintained in order to ensure continued high customer service standards. Prioritizing pool improvements to ensure they remain functional is the objective of this capital request.</p>
<p>Project Comments/Reference</p> <p>7069034 See Document Attached</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	67,200	67,200	0	5410	Construction Contracts - TCA											
2023	132,000	132,000	0		67,200	132,000	75,000	2,305,201	2,610,000	0	474,000	500,000	500,000	0	6,663,401	
2024	75,000	75,000	0		Total	67,200	132,000	75,000	2,305,201	2,610,000	0	474,000	500,000	500,000	0	6,663,401
2025	2,305,201	2,305,201	0	Revenues												
2026	2,610,000	2,610,000	0	125	Dev Chg - Indoor Recreation											
2027	0	0	0		67,200	0	0	0	0	0	0	0	0	0	67,200	
2028	474,000	474,000	0	169	Pay As You Go - Capital Reserve											
2029	500,000	500,000	0		0	0	0	0	0	0	0	0	0	0	0	
2030	500,000	500,000	0	221	Service Sustainability Investm											
2031	0	0	0		0	132,000	75,000	2,305,201	2,610,000	0	474,000	500,000	500,000	0	6,596,201	
	6,663,401	6,663,401	0		Total	67,200	132,000	75,000	2,305,201	2,610,000	0	474,000	500,000	500,000	0	6,663,401
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2008	466,000	466,000	0													
2009	550,839	550,839	0													
2010	1,000,000	1,000,000	0													
2011	1,021,000	1,021,000	0													
2014	325,000	325,000	0													
2017	100,000	100,000	0													
2019	1,057,000	1,057,000	0													
2020	433,280	433,280	0													
2021	37,000	37,000	0													
Related Projects				Operating Budget Impact												
Follows		Project Title		Effective Date	Description							Exp/(Rev)	FTE Impact			
REC-005-16		Gino & Liz Marcus Community Centre Family Change Room		Unknown	No operating budget impact							0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2007	January 2, 2017	Growth: 0.0 % Maintenance: 100.0 %		Ray Mensour/Jen Knights					Ongoing`							



Project Version Summary

Project #	REC-004-07	Service Area	Community Services
Budget Year	2022	Department	Recreation & Culture
Asset Type	Unassigned	Division	Community Centres & Programming
Title	Recreation Facility Refurbishment Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description Ongoing upgrades to facilities and services available in municipal recreation areas. A recent review indicates that the median age of the community centres is approximately 46 years, with 75% of all of our community centres being 25+ years old.	Version Description Recreation Master Plan Priorities
Project Comments/Reference 7069035/7159012	Version Comments

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	50,000	50,000	0	5410	Construction Contracts - TCA										
2023	50,000	50,000	0		50,000	50,000	300,000	50,000	100,000	50,000	300,000	300,000	300,000	185,000	1,685,000
2024	300,000	300,000	0		Total	50,000	50,000	300,000	50,000	100,000	50,000	300,000	300,000	185,000	1,685,000
2025	50,000	50,000	0	Revenues											
2026	100,000	100,000	0	125	Dev Chg - Indoor Recreation										
2027	50,000	50,000	0		5,000	5,000	5,000	5,000	94,950	0	0	0	0	0	114,950
2028	300,000	300,000	0	221	Service Sustainability Investm										
2029	300,000	300,000	0		45,000	45,000	295,000	45,000	5,050	50,000	300,000	300,000	300,000	185,000	1,570,050
2030	300,000	300,000	0		Total	50,000	50,000	300,000	50,000	100,000	50,000	300,000	300,000	185,000	1,685,000
2031	185,000	185,000	0												
	1,685,000	1,685,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	80,000	80,000	0												
2009	50,000	50,000	0												
2010	150,000	150,000	0												
2011	100,000	100,000	0												
2012	50,000	50,000	0												
2013	50,000	50,000	0												
2014	282,000	282,000	0												
2015	50,000	50,000	0												
2016	50,000	50,000	0												
2017	50,000	50,000	0												
2019	50,000	50,000	0												
2020	50,000	50,000	0												
2021	50,000	50,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	No Operating budget Impact						0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2007	January 1, 2017	Growth: 0.0 % Maintenance: 100.0 %	Ray Mensour & Scott Bisson	Ongoing`											



Project Version Summary

Project #	REC-001-18	Service Area	Community Services
Budget Year	2022	Department	Recreation & Culture
Asset Type	Unassigned	Division	Cultural Affairs
Title	Monument and Memorial Capital Repairs		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																			
Capital repairs to monuments and memorials throughout the City of Windsor such as Boer War Monument, Centotaph, Polish monument and Freedom Way. Funds are required for repairs due to the public risk involved as the public tend to climb or get close to read particular monuments that are in need of repair.				Funds are required to commence repairs on the Boer War, Cenotaph, Polish monument and Freedom Way to reduce public risk.																																																																																																																																																																																																																			
Project Comments/Reference				Version Comments																																																																																																																																																																																																																			
7204002				COMMITMENT: CR195/2020 - S 109/2019 - SCM 91/2020: 2022 F221 \$75,000 - 2023 F221 \$75,000																																																																																																																																																																																																																			
Project Forecast				Project Detailed Forecast																																																																																																																																																																																																																			
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Year	Total Expense	Revenue				Subsidies																																																																																																																																																																																																																	
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Total	75,000	75,000	0	75,000	75,000	75,000	75,000	75,000	0	75,000	600,000																																																																																																																																																																																																												
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221CF	Committed Funding																																																																																																																																																																																																																						
	75,000	75,000	0	0	0	0	0	0	0	0	150,000																																																																																																																																																																																																												
Total	75,000	75,000	0	75,000	75,000	75,000	75,000	75,000	0	75,000	600,000																																																																																																																																																																																																												
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2018	January 1, 2022	Growth: 0.0 % Maintenance: 100.0 %		TBD							Ongoing																																																																																																																																																																																																												



Project Version Summary

Project #	REC-001-22	Service Area	Community Services
Budget Year	2022	Department	Recreation & Culture
Asset Type	Unassigned	Division	Recreation Facilities
Title	Windsor Water World Improvements Study		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards			
Version Name	Main (Active)		

Project Description				Version Description												
Windsor Water World funding for preliminary studies only and does not include construction costs.																
Project Comments/Reference				Version Comments												
7221034																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	200,000	200,000	0	5410	Construction Contracts - TCA											
2023	0	0	0		200,000	0	0	0	0	0	0	0	0	0	200,000	
2024	0	0	0		Total	200,000	0	0	0	0	0	0	0	0	200,000	
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		200,000	0	0	0	0	0	0	0	0	0	200,000	
2028	0	0	0		Total	200,000	0	0	0	0	0	0	0	0	200,000	
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	200,000	200,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2022		Growth: 100.0 % Maintenance: 0.0 %	TBD	TBD`												



Project Version Summary

Project #	REC-002-07	Service Area	Community Services
Budget Year	2022	Department	Recreation & Culture
Asset Type	Unassigned	Division	Recreation Facilities
Title	Lakeview Park Marina Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 6, Ward 7		
Version Name	Main (Active)		

Project Description				Version Description												
Replacement of the docks at Lakeview Park Marina to floating docks along with ongoing maintenance and structural repairs.				Specific work identified at this time is as follows: - Replacement of the docks to floating docks - Ongoing maintenance and general structural repairs - Lighthouse repairs & painting - Dredging - New pumpout system												
Project Comments/Reference				Version Comments												
7171033 7061146/7161014 (Closed)				COMMITMENTS: CR276/2019 - C 98/2019: 2022 F221 \$50,000 - 2022 F221 \$310,114 - 2023 F221 \$50,000 CR553/2019 - C 187/2019: 2023 F221 \$900,000 - CR approved \$2,000,000 with the remaining balance of \$682,000 less the \$100,000 deductible to be funded firstly from proceeds resulting from an insurance claim with any deficit to be funded from F165 and any financing charges to be funded from 7145005 with CAO approval. CR126/2020 - C 58/2020: Approved an additional \$480,000 to first come from proceeds resulting from a pending insurance claim, and any shortfall be funded from F165.												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue	Subsidies	Expenses												
		Net City Cost		5410	Construction Contracts - TCA											
2022	360,114	360,114	0		360,114	950,000	50,000	50,000	34,000	34,000	275,000	275,000	275,000	275,000	2,578,114	
2023	950,000	950,000	0													
2024	50,000	50,000	0		Total	360,114	950,000	50,000	50,000	34,000	34,000	275,000	275,000	275,000	2,578,114	
2025	50,000	50,000	0	Revenues												
2026	34,000	34,000	0	165	Lakeview Park Marina											
2027	34,000	34,000	0		0	0	50,000	50,000	0	0	0	0	0	0	100,000	
2028	275,000	275,000	0	221	Service Sustainability Investm											
2029	275,000	275,000	0		0	0	0	0	34,000	34,000	275,000	275,000	275,000	275,000	1,168,000	
2030	275,000	275,000	0	221CF	Committed Funding											
2031	275,000	275,000	0		360,114	950,000	0	0	0	0	0	0	0	0	1,310,114	
	2,578,114	2,578,114	0	Total	360,114	950,000	50,000	50,000	34,000	34,000	275,000	275,000	275,000	275,000	2,578,114	
Historical Approved Budget																
				Year	Total Expense	Revenue	Subsidies									
		Net City Cost		2012	60,000	60,000	0									
				2017	100,000	100,000	0									
				2018	50,000	50,000	0									
				2019	180,000	180,000	0									
				2020	1,393,646	811,646	582,000									
				2021	2,651,240	2,171,240	480,000									

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2007	January 1, 2017	Growth: 0.0 % Maintenance: 100.0 %	Ray Mensour/Tom Graziano	Ongoing`	0	0



Project Version Summary

Project #	REC-002-21	Service Area	Community Services
Budget Year	2022	Department	Recreation & Culture
Asset Type	Unassigned	Division	Recreation Facilities
Title	Adie Knox Herman Reimagining		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 2		
Version Name	Main (Active)		

Project Description	Version Description
<p>The capital funding for this project involves the reimagining of the Adie Knox Recreation Complex to include a new full-sized gymnasium, program rooms and a walking path incorporated into community hub areas. The provisional items will be determined through a feasibility study along with public and stakeholder consultation, in addition to the recommendations from the Recreation Master Plan.</p>	
Project Comments/Reference	Version Comments
<p>7211050 - Adie Knox Grant Partnership with U of W</p>	<p>COMMITMENTS: Funding to be encumbered pending written confirmation for the Green and Inclusive Community Buildings Grant CR274/2021 - C 82/2021: 2022 F221 \$400,000 for playground replacement. CR274/2021 - C 82/2021: 2023 F221 \$400,000 for splash pad PLACEHOLDER: If the Green and Inclusive Community Building Grant is successful funding is approved and pre-commits the \$29 Million. (ECP-014-07 and REC-002-21) B28/2021 - C176/2021: F160 2024 \$375,000 B28/2021 - C176/2021: F169 2022 \$1,600,000 - 2023 \$1,736,045 - 2024 \$4,948,358 - 2025 \$3,150,000 - 2027 \$3,676,723 - 2028 \$1,283,649 B28/2021 - C176/2021: F221 2022 \$400,000 - 2023 \$400,000 - 2026 \$2,225 - 2027 \$2,400,000 - 2028 \$26,000 Note: REC-002-21 \$20 Million including pre-commitments CR274/2021 - ECP-014-07 \$9 Million.</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	2,000,000	2,000,000	0	5410	Construction Contracts - TCA											
2023	2,138,045	2,138,045	0		2,000,000	2,138,045	5,323,358	3,150,000	2,225	6,076,723	1,309,649	0	0	0	20,000,000	
2024	5,323,358	5,323,358	0		Total	2,000,000	2,138,045	5,323,358	3,150,000	2,225	6,076,723	1,309,649	0	0	0	20,000,000
2025	3,150,000	3,150,000	0			0										
2026	2,225	2,225	0	Revenues												
2027	6,076,723	6,076,723	0	160	Capital Expenditure Reserve											
2028	1,309,649	1,309,649	0		0	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	160CF	Committed Funding											
2030	0	0	0		0	0	375,000	0	0	0	0	0	0	0	375,000	
2031	0	0	0	169	Pay As You Go - Capital Reserve											
	20,000,000	20,000,000	0		0	0	0	0	0	0	0	0	0	0	0	0
Historical Approved Budget				169CF	Committed Funding											
					1,600,000	1,738,045	4,948,358	3,150,000	0	3,676,723	1,283,649	0	0	0	16,396,775	
				221	Service Sustainability Investm											
					0	0	0	0	0	0	0	0	0	0	0	0
				221CF	Committed Funding											
					400,000	400,000	0	0	2,225	2,400,000	26,000	0	0	0	3,228,225	
					Total	2,000,000	2,138,045	5,323,358	3,150,000	2,225	6,076,723	1,309,649	0	0	0	20,000,000
					0											
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2021		Growth: 80.0 % Maintenance: 20.0 %														

2022 Approved Capital Budget



Capital Project Summaries

Corporate Services



Project Version Summary

Project #	FIN-001-22	Service Area	Corporate Services
Budget Year	2022	Department	Finance
Asset Type	Unassigned	Division	Administration - Finance
Title	Financial Sustainability Initiatives		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards			
Version Name	Main (Active)		

Project Description				Version Description												
This project includes various financial sustainability initiatives, including but not limited to: - Financial Sustainability and Debt Policy - Lean Six Sigma Business Process Improvement - Human Resources Master Plan																
Project Comments/Reference				Version Comments												
7221049, 7221056, 7221057																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	400,000	400,000	0	5410	Construction Contracts - TCA											
2023	0	0	0		400,000	0	0	0	0	0	0	0	0	0	400,000	
2024	0	0	0		Total	400,000	0	0	0	0	0	0	0	0	400,000	
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		400,000	0	0	0	0	0	0	0	0	0	400,000	
2028	0	0	0		Total	400,000	0	0	0	0	0	0	0	0	400,000	
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	400,000	400,000	0													
Historical Approved Budget				Operating Budget Impact												
Related Projects																
Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date								
2022		Growth: 100.0 % Maintenance: 0.0 %	Joe Mancina					TBD`								



Project Version Summary

Project #	FIN-006-16	Service Area	Corporate Services
Budget Year	2022	Department	Finance
Asset Type	Unassigned	Division	Administration - Finance
Title	(Legislated) Liability for Contaminated Sites		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>By virtue of the Municipal Act, the City is legislatively required to prepare audited financial statements on the basis of Public Sector Accounting Board (PSAB) standards. PSAB has introduced a new standard 3260 Liability for Contaminated Sites which the City is required to comply with in our 2015 consolidated financial statements (to be prepared in early 2016).</p> <p>For contaminated sites no longer in use or for which the City has assumed responsibility, we will be required to estimate:</p> <ul style="list-style-type: none"> • Costs directly attributable to remediation activities • Post-remediation operation, maintenance and monitoring that are an integral part of the remediation strategy for a contaminated site • The estimate of assets acquired, or to be acquired, as part of remediation activities to the extent those assets have no alternative use <p>We have already hosted a workshop with senior management across the City and have identified a number of potentially in-scope sites. In order to obtain verifiable data required to create an auditable estimate of the City's liability for contaminated sites, we will need to incur the following expenses:</p> <ul style="list-style-type: none"> - Internal project staff support - Technical accounting consulting - Consultant Site Assessments of potentially significant sites - Additional audit costs <p>While the project is intended to satisfy the requirements of PSAB 3260 in the most cost effective manner possible, neither PSAB 3260 or this project provides any funding plan or remediation plan to actually manage or remediate any contaminated sites. Notwithstanding the above, any site assessments completed through this project may provide useful information as the City makes decisions to manage or remediate these sites.</p>	
Project Comments/Reference	Version Comments
7161003	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	100,000	100,000	0	5410	Construction Contracts - TCA										
2023	0	0	0		100,000	0	0	0	0	0	0	0	0	0	100,000
2024	0	0	0		Total	100,000	0	0	0	0	0	0	0	0	100,000
2025	0	0	0	Revenues											
2026	0	0	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		100,000	0	0	0	0	0	0	0	0	0	100,000
2028	0	0	0		Total	100,000	0	0	0	0	0	0	0	0	100,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	100,000	100,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2016	200,000	200,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	The PSAB standard (not necessarily the project) may have an operating impact – TBD						0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2016	January 1, 2016	Growth: 100.0 % Maintenance: 0.0 %	Dan Seguin	Ongoing`											



Project Version Summary

Project #	FIN-009-15	Service Area	Corporate Services
Budget Year	2022	Department	Finance
Asset Type	Unassigned	Division	Administration - Finance
Title	Capital Reserve Replenishment Allocation		
Budget Status	Council Approved Budget		
Major Category	Capital Reserve Replenishment		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
As per Council's previous directions relative to ensuring long term financial stability, and to ensure that the City's cash balances are sufficient to self finance capital projects without the need to resort to a high cost of external borrowing, funding is being allocated to replenish and bolster reserves. These allocations are also meant to provide liquidity that could be accessed to fund unfunded or unexpected costs such as settlements of significant legal claims or significant retroactive payments relating to major property tax appeals.																
Project Comments/Reference				Version Comments												
Project Forecast				Project Detailed Forecast												
Revenue				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	1,670,000	1,670,000	0	4248	TRANSFER to Reserve Account											
2023	1,670,000	1,670,000	0		1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,710,000	1,710,000	1,710,000	1,710,000	16,860,000	
2024	1,670,000	1,670,000	0		Total	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,710,000	1,710,000	1,710,000	16,860,000	
2025	1,670,000	1,670,000	0			0										
2026	1,670,000	1,670,000	0	Revenues												
2027	1,670,000	1,670,000	0	169	Pay As You Go - Capital Reserve											
2028	1,710,000	1,710,000	0		1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,710,000	1,710,000	1,710,000	1,710,000	16,860,000	
2029	1,710,000	1,710,000	0		Total	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,670,000	1,710,000	1,710,000	1,710,000	16,860,000	
2030	1,710,000	1,710,000	0			0										
2031	1,710,000	1,710,000	0													
	16,860,000	16,860,000	0													
Historical Approved Budget																
Revenue																
Year	Total Expense	Net City Cost	Subsidies													
2016	3,210,000	3,210,000	0													
2017	3,210,000	3,210,000	0													
2018	3,210,000	3,210,000	0													
2019	3,210,000	3,210,000	0													
2020	3,210,000	3,210,000	0													
2021	3,450,000	3,450,000	0													

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2015	January 1, 2016	Growth: 100.0 % Maintenance: 0.0 %	Mike Dennis	TBD`	0	0
					0	0



Project Version Summary

Project #	ECB-044-18	Service Area	Corporate Services
Budget Year	2022	Department	Finance
Asset Type	Unassigned	Division	Asset Planning
Title	Financing Charges		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.																
Project Comments/Reference				Version Comments												
7145005				COMMITMENT: CR4/2019 - C 217/2018: 2023 F169 \$75,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	0	0	0													
2023	75,000	75,000	0													
2024	0	0	0													
2025	0	0	0													
2026	0	0	0													
2027	0	0	0													
2028	0	0	0													
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	75,000	75,000	0													
Historical Approved Budget																
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2018	20,000	20,000	0													
2020	64,000	64,000	0													
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date								
2018	January 1, 2018	Growth: 0.0 % Maintenance: 0.0 %	Mike Dennis					TBD`								



Project Version Summary

Project #	FIN-001-17	Service Area	Corporate Services
Budget Year	2022	Department	Finance
Asset Type	Unassigned	Division	Asset Planning
Title	Asset Planning Service Design and Implementation		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
This funding is to ensure completion of several projects currently in development including the 20-year life cycle costing models for City of Windsor assets.																
Project Comments/Reference				Version Comments												
7131117																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
				Expenses												
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	0	0	0	2915	Consulting Services - External											
2023	0	0	0		0	0	0	0	0	250,000	150,000	400,000	150,000	0	950,000	
2024	0	0	0		Total											0
2025	0	0	0		0	0	0	0	0	250,000	150,000	400,000	150,000	0	950,000	
2026	0	0	0	Revenues												
2027	250,000	250,000	0	169	Pay As You Go - Capital Reserve											
2028	150,000	150,000	0		0	0	0	0	0	250,000	150,000	400,000	150,000	0	950,000	
2029	400,000	400,000	0		Total											0
2030	150,000	150,000	0		0	0	0	0	0	250,000	150,000	400,000	150,000	0	950,000	
2031	0	0	0													
	950,000	950,000	0													
Historical Approved Budget																
				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2017	January 1, 2017	Growth: 0.0 % Maintenance: 0.0 %		Melissa Osborne					Ongoing							



Project Version Summary

Project #	FIN-001-19	Service Area	Corporate Services
Budget Year	2022	Department	Finance
Asset Type	Unassigned	Division	Asset Planning
Title	Grant Matching Funding and Mitigating Inflationary Pressures		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Project funding recommended to address capital project inflationary pressures.				This funding will assist with addressing matching funding requirements for grants which do not have enough funding to meet the matching requirements. This will also assist in expediting the grant approval process as the DOA 3.25 requirements for approval of grants could be met confirming municipal funding is in place. The project will also assist to mitigate against tender pricing increases, after exhausting all other options to mitigate any variance. Use of the funds for grants will be reported to City Council through the annual DOA report and use of the funds for mitigating inflationary pressures will be reported through the semi-annual Capital Variance report.												
Project Comments/Reference				Version Comments												
7191009																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	287,751	287,751	0	5410 Construction Contracts - TCA												
2023	1,037,751	1,037,751	0	287,751 1,037,751 913,253 250,000 300,000 2,750,000 1,000,000 2,675,616 1,475,000 1,200,000 11,889,371												
2024	913,253	913,253	0	Total 287,751 1,037,751 913,253 250,000 300,000 2,750,000 1,000,000 2,675,616 1,475,000 1,200,000 11,889,371												
2025	250,000	250,000	0	Revenues												
2026	300,000	300,000	0	028 Sewer Surcharge												
2027	2,750,000	2,750,000	0	87,751 1,037,751 713,253 0 0 2,000,000 1,000,000 1,000,000 1,000,000 900,000 7,738,755												
2028	1,000,000	1,000,000	0	169 Pay As You Go - Capital Reserve												
2029	2,675,616	2,675,616	0	200,000 0 200,000 250,000 300,000 750,000 0 1,675,616 475,000 300,000 4,150,616												
2030	1,475,000	1,475,000	0	221 Service Sustainability Investm												
2031	1,200,000	1,200,000	0	0 0 0 0 0 0 0 0 0 0 0												
11,889,371				11,889,371				0					0			
Historical Approved Budget																
				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2019	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %		Melissa Osborne					Ongoing`							



Project Version Summary

Project #	FIN-004-18	Service Area	Corporate Services
Budget Year	2022	Department	Finance
Asset Type	Unassigned	Division	Asset Planning
Title	Enterprise Wide Energy Management System Software		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Centralized and common support for the development and installation of an energy management system throughout the City of Windsor's many properties and buildings brings an enhanced means of addressing shared issues. This includes joining and leveraging similar projects for overall capital cost savings, and bettering communication and transparency concerning energy asset management throughout the Corporation.</p> <p>Because energy data is currently received at regular billing intervals, heightened consumption is ordinarily observed between thirty and forty-five days following an event. Daily monitoring enabled by an integrated monitoring system can prevent the persistence of increased consumption and cost by alerting Energy Initiatives to respond to anomalies in individual equipment use and a facility's power quality, which can prolong the life of motors, pumps, compressors, and other systems throughout the Corporation.</p> <p>For power generation and energy infrastructure projects, improved technical collaboration among the City of Windsor and stakeholders in Windsor's energy supply (EnWin Utilities, District Energy Windsor, and Union Gas) are capable of delivering added value by marrying individual efforts for more impactful and cost-effective projects. Facilitating this cooperation and the development of an integrated energy management system requires a dedicated individual to liaise between the City of Windsor's Asset Planning, Facilities, and Information Technology (I.T.) departments toward establishing its fundamental elements of hardware, software, and infrastructure including distributed sub-metering and building automation systems. It further involves coordinating process changes both internally and at Windsor's utilities for the real-time collection and transmission of electricity, natural gas, and district energy consumption data.</p>	
Project Comments/Reference	Version Comments

Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Net City Cost	Subsidies												
2022	0	0	0	Expenses											
2023	0	0	0	5410	Construction Contracts - TCA										
2024	0	0	0		0	0	0	0	0	0	0	0	300,000	0	300,000
2025	0	0	0	Total	0	0	0	0	0	0	0	0	300,000	0	300,000
2026	0	0	0	Revenues											
2027	0	0	0	169	Pay As You Go - Capital Reserve										
2028	0	0	0		0	0	0	0	0	0	0	0	300,000	0	300,000
2029	0	0	0	Total	0	0	0	0	0	0	0	0	300,000	0	300,000
2030	300,000	300,000	0												
2031	0	0	0												
	300,000	300,000	0												
Historical Approved Budget															
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				2022-01-01	Ongoing Maintenance								25,000	0	
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2018	October 1, 2020	Growth: 0.0 % Maintenance: 0.0 %		Sergio Grando/Cole Nadalin					Fall 2022						



Project Version Summary

Project #	FIN-001-14	Service Area	Corporate Services
Budget Year	2022	Department	Finance
Asset Type	Unassigned	Division	Financial Planning
Title	Development Charges Study and Bylaw Update		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
To update Development Charges Study and Bylaw every 5 years, as per the Development Charges Act.				The City-wide DC Background Study & Bylaw requires updating every 5 years and was last updated in 2020.												
Project Comments/Reference				Version Comments												
(Closed: 7142002)/7183004																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	0	0	0	5410 Construction Contracts - TCA												
2023	0	0	0	0 0 50,000 50,000 0 0 0 60,000 60,000 0 220,000												
2024	50,000	50,000	0	Total 0 0 50,000 50,000 0 0 0 60,000 60,000 0 220,000												
2025	50,000	50,000	0	Revenues												
2026	0	0	0	121 Dev Chg - General												
2027	0	0	0	0 0 45,000 45,000 0 0 0 54,000 54,000 0 198,000												
2028	0	0	0	169 Pay As You Go - Capital Reserve												
2029	60,000	60,000	0	0 0 5,000 5,000 0 0 0 6,000 6,000 0 22,000												
2030	60,000	60,000	0	Total 0 0 50,000 50,000 0 0 0 60,000 60,000 0 220,000												
2031	0	0	0													
	220,000	220,000	0													
Historical Approved Budget																
				Operating Budget Impact												
Year	Total Expense	Net City Cost	Subsidies	Effective Date	Description	Exp/(Rev)	FTE Impact									
2014	40,000	40,000	0	Unknown	No Operating Budget Impact	0	0									
2015	40,000	40,000	0													
2018	120,000	120,000	0													
2019	40,000	40,000	0													
2020	40,000	40,000	0													
Related Projects																
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2016	January 1, 2018	Growth: 0.0 % Maintenance: 0.0 %	Tony Ardovini	Ongoing												



Project Version Summary

Project #	HCP-001-07	Service Area	Corporate Services
Budget Year	2022	Department	Human Resources
Asset Type	Unassigned	Division	Administration - Human Resources
Title	Accessibility - ODA Compliance		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>On September 25, 2006, City Council approved CR463/2006 concerning capital project 7035138 in which it confirmed the policy of the City of Windsor to support the removal of barriers for people with disabilities in corporate departments as prioritized by the Windsor Accessibility Advisory Committee.</p> <p>In addition, CR463/2006 approved the dedication of \$50,000 per year for the removal of non-built environment barriers (this portion focuses on items such as sign language interpreters, translations to more accessible formats etc.). Up to \$50,000 annually can be allocated for such purposes and any portion of the yearly \$50,000 that is not utilized rolls over to be available for built environment initiatives in future years.</p>	<p>This Capital project provides financial support for corporate departments to identify and provide a process to remove accessibility barriers in City properties and facilities. Departments may bring a funding application to the Windsor Accessibility Advisory Committee and the Committee makes recommendations regarding the approval of the funding applications.</p> <p>This Capital project is prioritized and administered by the Windsor Accessibility Advisory Committee (WAAC) to ensure that funding for projects to remove barriers has been reviewed by and prioritized by people with disabilities. Adequate and ongoing funding to this fund ensures that accessibility barriers to both the built and non-built environment can be adequately addressed and that the process ensure persons with disabilities are involved in the decision-making process.</p>
Project Comments/Reference	Version Comments
<p>7035138 closed/7086008</p>	<p>This Capital project has been extremely valuable to address the needs of Departments and our customers that go above and beyond the AODA requirements. The AODA is meant to be a proactive tool so that organizations meet certain accessibility standards but retrofits are not required under the legislation. Customers can still request improvements above and beyond the AODA and if organizations do not address reasonable requests they can face potential Human Rights complaints. This fund allows our City Departments to identify projects that fall in this gap and will offer accessibility enhancements that will then undergo the review of our Accessibility Advisory Committee to determine the projects that most meet the needs of our community.</p> <p>This project has allowed for some wonderful community projects that have greatly improved accessibility of our Corporate services and facilities over the years. Just a handful of wonderful projects this Capital Project has helped to fund :</p> <ul style="list-style-type: none"> • Accessible beach mats and 2 accessible floating Mobi Chairs at Sandpoint beach, • Hydraulic lift adult change tables at a number of facilities across the City, • Ceiling lifts, Hoyer power advanced portable lifts and also pool lifts, • Water wheelchairs and accessible floatation devices, • Additional audible pedestrian signals in key areas identified to meet community needs • Additional accessible door actuators in identified facilities • Accessible outdoor fitness equipment • Lower customer service counters • Accessible sign enhancements at a number of facilities • Accessible washroom and accessible change room upgrades at key identified facilities

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	100,000	100,000	0	5410	Construction Contracts - TCA										
2023	0	0	0		100,000	0	50,000	50,000	50,000	50,000	0	0	250,000	0	550,000
2024	50,000	50,000	0		Total	100,000	0	50,000	50,000	50,000	0	0	250,000	0	550,000
2025	50,000	50,000	0	Revenues											
2026	50,000	50,000	0	160	Capital Expenditure Reserve										
2027	50,000	50,000	0		100,000	0	50,000	50,000	50,000	50,000	0	0	250,000	0	550,000
2028	0	0	0		Total	100,000	0	50,000	50,000	50,000	0	0	250,000	0	550,000
2029	0	0	0												
2030	250,000	250,000	0												
2031	0	0	0												
	550,000	550,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	100,000	100,000	0												
2008	100,000	100,000	0												
2009	300,000	300,000	0												
2010	300,000	300,000	0												
2014	100,000	100,000	0												
2015	100,000	100,000	0												
2020	100,000	100,000	0												
2021	100,000	100,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	The lack of capital funding would result in deferral of repairs, further deterioration of the asset and increase the likelihood of overexpenditure in the operating budget.							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2007	January 1, 2015	Growth: 100.0 % Maintenance: 0.0 %		Gayle Jones				Ongoing`							



Project Version Summary

Project #	HRS-001-19	Service Area	Corporate Services
Budget Year	2022	Department	Human Resources
Asset Type	Unassigned	Division	Administration - Human Resources
Title	Diversity and Inclusion Initiative (Phases 1 and 2)		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>The Mayor and City Council remain dedicated to continually taking steps to learn and grow as a community and they recognize that our diversity adds to our strength and creates an important opportunity for fostering understanding, acceptance, and innovation.</p> <p>This Diversity and Inclusion Initiative is the next proactive step to provide a detailed review and measurable plan to further enhance our efforts. Its purpose is to proactively address the every changing unique wants and needs of our diverse community and strive to attract and retain an innovative, talented, and diverse workforce with the needed skills, experience and dedication to excellence. This initiative is yet another tool to help shape our future in a direction that complements our 20 year strategic vision.</p>	<p>City Council Decision CR361/2018 approved the City of Windsor's Diversity and Inclusion Initiative, authorized Administration to distribute a Workforce Census to staff, provided funding in the amount of \$62,800 from the Budget Stabilization Reserve Account to cover budget needs for the remainder of 2018, directed Administration to bring forward future costing requirements as it relates to the Diversity and Inclusion initiative for Council's consideration at future Capital Budget periods.</p> <p>As this is a multi-year Initiative, sufficient, additional, ongoing funding throughout the duration of the Initiative is needed to ensure that all of the endorsed Goals, Objectives and Action Items are all appropriately addressed. The majority of the Action items outlined for phase one of the initiative have already been commenced and some have now been underway for over a year and others have been completed. Some of the highlights of the Initiative thus far are the roll out of the results of the first corporate workforce Census, a communication campaign, implementation of an Internal Diversity Committee, called the Inclusive Action Network, as well as 8 working Employee Resource Groups. The intent of these groups is to utilize the ideas and experiences of our diverse employees to help find effective, workable solutions to issues, while providing a space for those employees to feel more engaged with and connected to the company. To date, with the guidance and assistance of these groups, we have created a corporate Diversity Calendar, implemented a pilot project for Video remote interpreting and conducted events to bring together employees to learn about diversity (Topics have included, Black history month, Women's history month, LGBTQ+ film festival, Mental Health awareness, Intergenerational trivia, Invisible disabilities panel discussion, Canada day trivia, Brain injury awareness, and Indigenous documentaries). Staff have also been encouraged to explore reading diversity related books with our Blind date with a book program. The Inclusive Action Network has numerous working groups focused on reviewing hiring practices, education needs, program evaluation, communication, events and policy development. In addition to a series of diversity related webinars available to staff this fall we anticipate providing diversity training and/or workshops to approximately 700 staff, including managers and human resources. Input from this training will allow us to plan for our ongoing training needs</p> <p>There are seven (7) essential areas to the requirements of the Diversity and Inclusion Initiative:</p> <ol style="list-style-type: none"> 1. Enhanced Training: Enhanced training of staff throughout the Corporation on diversity and inclusion 2. Effective Communication: Includes Project Management tools, video remote interpreting costs, and printing costs 3. Leveraging Technology: Includes communication tools for Community Outreach and Project Management software 4. Inclusion Campaign: Hosting events and having displays of diversity to demonstrate our commitment to diversity, including with our Employee Resource Groups 5. Community Outreach: Consulting and communicating with key stakeholders in the community to assist with developing Phase Two of the Diversity and Inclusion Initiative 6. Efficient Project Administration: Project management to oversee Phase One and Phase 2 7. Departmental Needs: Additional printing and translation needs that may arise <p>It has been identified that effectively addressing each of these 7 areas is essential to fulfilling the measurable Goals, Objectives and Action Items in this initial phase of the Initiative. Phase one (Corporate focus) will act as the groundwork of Phase two (Community focus) so it is essential that proper resources, time and expertise is dedicated to Phase one to ensure that we have the strong foundation needed to succeed going forward. Given that the Diversity and Inclusion Initiative is a key component of the risk mitigation strategies tied to 4 of the identified Enterprise risks, this program is as a key priority for the Corporation and includes risks to Attraction & Retention; Socio-Cultural; Portrayal and Organizational Culture.</p>
<p>Project Comments/Reference Project: 7192002</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	50,000	50,000	0	2915	Consulting Services - External										
2023	50,000	50,000	0		50,000	50,000	30,000	0	0	0	0	0	0	0	130,000
2024	30,000	30,000	0		Total	50,000	50,000	30,000	0	0	0	0	0	0	130,000
2025	0	0	0	Revenues											
2026	0	0	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		50,000	50,000	30,000	0	0	0	0	0	0	0	130,000
2028	0	0	0		Total	50,000	50,000	30,000	0	0	0	0	0	0	130,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	130,000	130,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2019	120,000	120,000	0												
2020	120,000	120,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Corporate Inclusion							0	0		
				Unknown	Through the several types of risk assessments conducted at the City of Windsor, mitigation strategies have been identified to help reduce significant and critical risks to a tolerable level. The Diversity and Inclusion Initiative is a key component of the risk mitigation strategies tied to 4 of the identified Enterprise risks: 1. Attraction & Retention - Making job descriptions more flexible to ensure top candidates are not unnecessarily deemed unqualified 2. Socio-Cultural - Targeting a wider demographic through implementation of Diversity Plan 3. Portrayal - Promoting a positive message about the City, its livability and opportunities 4. Organizational Culture - Undertake targeted audits aimed at resolving cultural and organizational issues in various work areas							0	0		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2019	June 18, 2018	Growth: 100.0 % Maintenance: 0.0 %	Gayle Jones	December 31, 2022`											



Project Version Summary

Project #	HRS-001-22	Service Area	Corporate Services
Budget Year	2022	Department	Human Resources
Asset Type	Unassigned	Division	Administration - Human Resources
Title	ESC Knowledge Management System – Motorola Knowledge Base		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description

The Employee Service Center (ESC) was created in 2017 and is a division within Human Resources that serves as the Corporations Information Hub to provide a central point of contact for all employee/manager inquiries about HR and payroll matters. The function of the ESC is to support WFM, payroll, employee onboarding, Benefits, pension, eLearn, card access, corporate policy inquiries and manager support in addition to aim for a one call/email resolution for our internal customers (employees/managers/CLT/CAO).

Similar to the 311 department, the ESC is required to review workflows, job aids, check lists, corporate policies, collective agreements, external resources from Dashboard and benefit carriers and ensure the information is most up to date to support managers and employees.

Human Resources is complex with a wide range of services, almost all are highly dependent on the effective use of information and knowledge resources. To be consistent and provide good customer service a knowledge management system (KMS) is crucial to the success of the department and the service to our customer; our employees.

Currently the ESC has a shared folder drive on the Corporate Network which has caused many pain points in organization, searchability, no capabilities to index other points of resources (such as Dashboard policies), no audit capabilities and user error. Additionally, the ESC is individually responsible for searching other resources such as Dashboard or OneNote which hampers the smooth flow of knowledge to employees.

Purchasing an additional Motorola license (to piggyback off the 311 system) to implement an ESC KMS would assist the ESC team to house their resources as well as leverage existing resources throughout Dashboard and external resources (Such as SharePoint, Green Shield, OMERS, Employment Canada etc.) by the cross referencing capabilities. The KMS would also provide a space for a department internal communication for the team to capture any fast changing situations.

Additionally, with a KMS for the first time the ESC team can:

- Leverage external resources (similar to how 311 uses their system) for example: Dashboard policies/procedures, Forms, Green Shield and OMERS by indexing pages
- be active participants in notifying when items are out of date in addition to audit capabilities

Version Description

- bridge a gap in training new ESC's and flatten the new employee learning curve/new employee support, freeing senior ESC's and the manager to focus on complex issues and progress resources
- Identify search patterns and trends which can pinpoint areas for improvement/coaching or identify processes to be reviewed
- Provide report capabilities
- Provide permissions/security for who can access vs. edit resources to safe guard privacy

This request includes the implementation cost and annual license fee as well as the resources required to keep the contents up to date leveraging the procedures and team set up 311 has shaped.

Project funds included:

- Implementation Fee (Approx. \$35,000 – 110 hours of Professional Service Fees)
 - o Motorola Profession Service Fee is \$270/hour
 - o At 311 Recommendation implementation fee includes approximately 3 weeks of professional service fees this will include standard customization/configuration ESC will require
 - o Full cycle implementation time (Internal and external): 311 completed implementation in 6 months with more complex requirements such as mapping, resident service requests and the creation of FAQ's
 - Since the ESC is fairly established and does not require mapping or service requests, implementation should take approximately 4 months (1 month of professional fees/implementation, 3 months of internal preparation/importing and logging resources)
 - Will only require 1 resource as a functional lead (Controls & Systems Analyst) as the ESC continue to build out workflows and resources
 - o The ESC will require some customization from the base of what 311 has created

- Internal Preparation of Resources

- o In addition to the Human Resources Controls and Systems Analyst, 1 additional Employee Service Representative will be required to assist with logging the resources in the Knowledge Base and configuring the search functions
- o This will be required to be their main responsibility through the duration of configuration and knowledge import
- o This resource would start prior to implementation start to complete any resource gaps, SOP's, FAQ's etc.
 - Budget for this 1 temporary ESC is based on Grade NU07 Step 5 plus 33% for benefits (\$88,567).

- Annual license fee (\$3,500) – this will be submitted in the Operational Budget

- Cost to maintain the system (Resources Required)

- o Currently 311 has 1.5 Support Analysts reporting to a Systems Administrator dedicated to maintaining their resources, auditing content, uploading new documentation, training new employees and conducting system performance reviews
- o The Systems Administrator duties will fall to the existing Controls & Systems Analyst, the resources of 1 additional permanent ESC would be required to assist with maintaining the system knowledge base, responsible for the creation of new documentation/processes, assist with the semi annual audit of content in addition to conducting ongoing performance and system review to ensure the KMS meets

functional and technical requirements for users and conduct training to new ESC's

- o The ESC who would assist in a similar capacity as a 311 Support Analyst would alleviate the Employment Service Manager who is currently responsible for creating all workflows, procedures and checklists to focus on managerial duties and focus on continuing to evolve the ESC through the intended ESC project phases
- o This position has been added to the Operational Budget Impact statement below– a future commitment for operating expenses for this role will be vital to the long term success of the tool. This position has not yet been added to the Operational Budget as it is not yet required. This permanent role will be added to the budget following the completion of the Knowledge Base.

Project Comments/Reference

The ESC/Payroll Process Implementation Project Objective (CR159/2015) submitted to council stated: "The main objective of the project is to fundamentally adopt best practices and create value by enhancing workforce effectiveness through enabling technologies and improved HR and Payroll service delivery capabilities and alignment."

In 2017 as part of the consultant recommendations and listed as Phase 2 of the creation of the ESC was the creation of a Knowledge Base that would bring the ESC team closer to a "one-call" resolution for internal customers.

This project request is to continue the momentum bring forward the HR and ESC team as intended.

Version Comments

Project Forecast

Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2022	125,000	125,000	0
2023	0	0	0
2024	0	0	0
2025	0	0	0
2026	0	0	0
2027	0	0	0
2028	0	0	0
2029	0	0	0
2030	0	0	0
2031	0	0	0
	125,000	125,000	0

Project Detailed Forecast

GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Expenses											
2915 Consulting Services - External	125,000	0	0	0	0	0	0	0	0	0	125,000
8150 Salary-Temporary	0	0	0	0	0	0	0	0	0	0	0
Total	125,000	0	0	0	0	0	0	0	0	0	125,000
Revenues											
169 Pay As You Go - Capital Reserve	125,000	0	0	0	0	0	0	0	0	0	125,000
Total	125,000	0	0	0	0	0	0	0	0	0	125,000

Historical Approved Budget

Related Projects

Operating Budget Impact

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2022		Growth: 100.0 % Maintenance: 0.0 %	Marisa Connelly	2023



Project Version Summary

Project #	HRS-002-17	Service Area	Corporate Services
Budget Year	2022	Department	Human Resources
Asset Type	Unassigned	Division	Administration - Human Resources
Title	Corporate Ergonomic Equipment		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description

In order to move into a more proactive approach towards ergonomics, in 2016 Human Resources, with the endorsement of the Chief Administrative Officer, the Corporate Leadership Team and City Council, moved away from the third party contracted service for the completion of ergonomic assessments and wellness programming to the establishment of an in-house ergonomist and wellness specialist.

As part of our proactive approach and ongoing commitment to our employees well being, inclusive of cost reductions, a Musculoskeletal Prevention Program is being recommended to address ergonomic issues arising from Ministry of Labour orders, WSIB Claims, new work processes, legislative changes and requirements for the Corporation. With approved funding to purchase needed equipment, this project will be designed to implement a robust Musculoskeletal Prevention Program which once established, will enable us to move towards continuous improvement by funding opportunities that may arise to gain insight on new ergonomic research, initiatives and leading technologies being made available.

The enforcement of ergonomics by the Ministry of Labour has typically been under the general duty clause of Section 25(2)(h) and Section 25 (2)(d), employers' duty to acquaint their workers with hazards of the Occupational Health and Safety Act (OHSA). In addition, orders are issued under various related regulatory requirements, such as safe handling of materials under the Industrial Establishments Section 45 and provision of adequate lighting under Section 21.

In 2018 the MOL implemented an Ergonomics Initiative targeting public works. In June of 2019 we moved through the first phase of this Initiative with an administrative review of our Musculoskeletal Prevention Program. In the fall of 2019 the MOL will be conducting site visits to our Crawford Yard and Pollution Control Plants to view and assess the ergonomic aspects of work performed there.

Version Description

We foresee using the funds in this request to cover such expenses as:

- Purchase of ergonomic software
- Purchase of various measuring tools used to assess risk of ergonomic injuries
- Provide for any calibration that may be required of the measuring tools based on usage
- Purchase of ergonomic equipment and tools for our Corporate Training room to accommodate employees' needs
- Purchase of ergonomic equipment, software and tools to be used during our Recruitment Process should a candidate voice an accommodation need
- Purchase of training programs for targeted types of jobs, such as fire fighting and health care and types of work, such as the manual material handling that routinely occur in Public Works.
- Implement items that may come forward given the Ministry of Labour review in the Fall of 2019

Project Comments/Reference	Version Comments
<p>This project represents the Corporation's ongoing commitment to ensure the Corporation's health & safety standards and plans are functioning properly. With the implementation of our robust Musculoskeletal Prevention Program, actions can be taken to proactively work towards reducing workplace injury risk. In the long run, assist with not only lowering our health care costs, but can also assist with reducing worker's compensation claim costs and long term and short term disability rates. Program implementation steps require us to purchase appropriate equipment/tools/software that we do not currently have to properly assess ergonomic hazards along with the required maintenance of these items. As ergonomic assessments continue to be completed, requiring changes, implementations and standards must be accommodated which comes at a cost. This can include upgrading current workstations to provide same equipment standards for all workers to meet compliance and addressing environmental issues such as lighting etc.</p> <p>The cost of purchasing measurement equipment for our employees lowers our WSIB claims, STD and LTD costs, lowers our attendance claims and provides for higher productivity.</p>	<p>Moving our Musculoskeletal Prevention Program forward, we have introduced the MSD Procedure and the on-line Injury Prevention training program, the latter of which provides specific detail on safe guarding workers from ergonomic-type injuries. The request of \$35,000 will assist with the purchasing of the software and appropriate tools to continue completing our ergonomic assessments in house, inclusive of the calibration of these tools as required. This cost also covers ongoing annual costs related to replacing tools and calibration of these tools. In addition, in the upcoming year we will be looking to implement training specific to the different areas of work undertaken by workers of the Corporation where our injury statics demonstrate higher rates of MSD injuries.</p> <p>The hazards that can cause musculoskeletal concerns are usually associated with the physical demands of work activities. For example, employees may injure themselves by:</p> <ul style="list-style-type: none"> • Lifting or pushing loads that require excessive force; • Reaching or bending in an awkward posture; • Holding the same position for a long time; or • Repeating the same movements over and over with little chance for rest or recovery. <p>As we continue to undertake the implementation of our corporate Musculoskeletal Prevention Program, our Ergonomist and Wellness Specialist will work together with our Health & Safety Advisor and Disability Management Specialists, to provide an overall Prevention, Accommodation and Accident/Incident Reduction Plan for our employees resulting in a robust and well round Health, Safety and Wellness Program.</p> <p>As the MOL completes their Ergonomic Initiative with the Corporation this fall by conducting site visits to our Crawford Yard site and Pollution Control plants, we anticipate the possibility of orders being issued designed to enforce implementation of changes to the manner in which different types of work are performed and managed. Depending upon what orders are issued, there may be a cost incurred to ensure compliance and the funds being requested will assist us with achieving compliance and maintaining new ergonomic practices at these worksites. . In anticipation of the potential costs resulting from any orders issued by the MOL in relation to this Initiative, we are requesting to move up the funding for this project established for 2024.</p> <p>The hazards that can cause musculoskeletal concerns are usually associated with the physical demands of work activities. For example, employees may injure themselves by:</p> <ul style="list-style-type: none"> • Lifting or pushing loads that require excessive force; • Reaching or bending in an awkward posture; • Holding the same position for a long time; or • Repeating the same movements over and over with little chance for rest or recovery. <p>Through the application of ergonomics principles, to be implemented within our Musculoskeletal Prevention Program the risk of injury posed by such hazards can be eliminated or reduced.</p> <p>This program will include the following aspects:</p> <ul style="list-style-type: none"> • an implementation plan; • a hazard identification and assessment methodology; • hazard identification and assessment; • preventive measures; • employee education; and • a program evaluation. <p>Within a Musculoskeletal Prevention Program, our Ergonomist and Wellness Specialist will work together with our Health & Safety Advisor and Disability Management Specialists, to provide an overall Prevention, Accommodation and Accident/Incident Reduction Plan for our employees resulting in a robust and well round Health, Safety and Wellness Program.</p>

Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Net City Cost	Subsidies												
2022	0	0	0	Expenses											
2023	0	0	0	5110	Machinery & Equipment - TCA										
2024	35,000	35,000	0		0	0	35,000	0	0	0	0	0	0	0	35,000
2025	0	0	0	Total	0	0	35,000	0	0	0	0	0	0	0	35,000
2026	0	0	0	Revenues											
2027	0	0	0	169	Pay As You Go - Capital Reserve										
2028	0	0	0		0	0	35,000	0	0	0	0	0	0	0	35,000
2029	0	0	0	Total	0	0	35,000	0	0	0	0	0	0	0	35,000
2030	0	0	0												
2031	0	0	0												
	35,000	35,000	0												
Historical Approved Budget															
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				Unknown	No operating budget impact.								0	0	
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2017	January 1, 2020	Growth: 0.0 % Maintenance: 0.0 %		Julie Ryckman					Ongoing`						



Project Version Summary

Project #	HRS-002-08	Service Area	Corporate Services
Budget Year	2022	Department	Human Resources
Asset Type	Unassigned	Division	Occupational H&S & Wellness
Title	Corporate Health and Safety Program - Assessments		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>This project was created to fund health and safety issues arising from Ministry of Labour orders, new work processes, legislative changes and requirements for the Corporation. Over the past several years, the Ministry of Labour and the Workplace Safety and Insurance Board have been much more proactive with companies who don't measure up to health & safety rules and regulations. The Ontario Ministry of Labour has made a commitment to audit and inspect every employer in Ontario. The Ministry is targeting all employers, starting with workplaces with poor health & safety records. Accordingly, the Ministry of Labour has hired and trained hundreds of new health & safety inspectors since 2004. The government is clearly determined to level the playing field for all companies and to penalize those organizations who are trying to gain an unfair advantage by ignoring health & safety.</p> <p>Since March 31, 2004, new occupational health & safety duties and criminal liabilities added to the Criminal Code (in Bill C-45) affect both individuals and organizations in Canada. For the first time, both individuals and organizations (including directors, executives and managers) are under an increased obligation to take reasonable steps to protect workers and the public; they must ensure accountability for a safe work environment or the Corporation faces a heightened risk of additional orders, fines and penalties.</p> <p>Given the size of the Corporation's workforce, the number of worksites, the range of types of work we undertake each day and our commitment to maintaining compliance with OHSA reporting requirements, the MOL visits our sites on a continuous and proactive basis.</p>	<p>The following are the types of health and safety issues which are commonly in need of addressing but without dedicated funding:</p> <ul style="list-style-type: none"> - assessments of indoor air quality concerns (i.e. humidity, confirmation of compliance on exposure limits), average cost \$1,500 per assessment - industrial hygiene assessments for the presence of mould, average cost \$1,700 per assessment - engineering assessments for implementing engineering controls (i.e. retrofitting current equipment and developing specifications for purchases of new equipment) the costing for which varies due to factors such as the complexity of the equipment/process, the number of pieces of equipment affected, etc. <p>-In June of 2018, the Corporation was notified that the Workplace Safety and Insurance Board would conduct a WorkWell Assessment for Transit Windsor. The results of this Assessment may require changes or new processes be implemented that have financial requirements.</p> <p>-Each year the MOL conducts a number of targeted safety blitzes based on accident and injury data from Ontario Workplaces. An example of such a blitz is the annual Young Worker Safety blitz, which can include random site visits at worksites where our student lottery hires are deployed, and have the potential to result in orders to the Corporation if non-compliance is identified at any site. Achieving compliance with orders may require financial resources to undertake such items as training, purchase of equipment and/or personal protective equipment and hygiene testing. Other blitzes occurring in 2020 are machine guarding and slips, trips and falls.</p>
Project Comments/Reference	Version Comments
<p>(Closed: 7091019 - Project funding of \$100,000 approved in 2009) Active: 7081015</p> <p>This project represents the Corporation's ongoing commitment to ensure the Corporation's health & safety standards and plans are functioning properly. Once testing and assessments are completed, the required changes, implementations, and safety standards must be accommodated which comes at a cost.</p>	<p>In 2012 a project was undertaken through an RFP process for the conducting of asbestos surveys and designated substance assessments over a 5 year period. Initially, 29 corporately-owned sites were prioritized making up the majority of the primary sites where our employees work. Having completed surveying of the 29 sites originally prioritized, we are moving on to complete surveys for the remaining sites which our employees attend, possibly on a less frequent basis; sites which may have only partial surveys; and newly acquired properties. As of August 2018, our records indicate the Corporation owns 222 properties. The cost of individual site surveys varies depending on such factors as the total square footage, number of renovations and year of build. In 2019 to-date, a comprehensive survey is being completed and documented for the Roseland Golf and Curling Club. As of the time of this report, 59 properties remain in need of surveying additional surveys will potentially be completed in 2019. Given the ongoing need for asbestos surveying, we will be making a funding request through the Operating Budget.</p> <p>For 2018/2019 WSIB will be reviewing the health & safety and return to work practices & procedures of Transit Windsor. After the review, WSIB may make recommendations or order the Corporation to make necessary improvements to help prevent injuries, illness and fatalities & reduce the negative consequences of occupational disabilities.</p> <p>We continue to anticipate site visits by the MOL as part of their annual Young Workers Blitz, the Slips, Trips and Falls, Machine Guarding or other targeted Blitzes. In such instances costs can result when the orders requiring additional training, professional testing, or the purchase of new machinery or personal protective equipment.</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	2220	Maintenance Parts & Materials										
2023	0	0	0		0	0	0	0	0	0	0	0	117,250	0	117,250
2024	0	0	0	Total	0	0	0	0	0	0	0	0	117,250	0	117,250
2025	0	0	0	Revenues											
2026	0	0	0	160	Capital Expenditure Reserve										
2027	0	0	0		0	0	0	0	0	0	0	0	117,250	0	117,250
2028	0	0	0	Total	0	0	0	0	0	0	0	0	117,250	0	117,250
2029	0	0	0												
2030	117,250	117,250	0												
2031	0	0	0												
	117,250	117,250	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2008	25,000	25,000	0												
2009	100,000	100,000	0												
2012	25,000	25,000	0												
2013	10,000	0	10,000												
2014	10,000	10,000	0												
2015	10,000	10,000	0												
2016	10,000	10,000	0												
2017	10,000	10,000	0												
2018	10,000	10,000	0												
2019	10,000	10,000	0												
2020	10,000	10,000	0												
2021	10,000	10,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	No operating budget impact.						0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2008	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %	Julie Ryckman	Ongoing`											

2022 Approved Capital Budget



Capital Project Summaries

Economic Development & Innovation



Project Version Summary

Project #	OPS-001-18	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Building Services
Asset Type	Unassigned	Division	Transportation Planning
Title	School Neighbourhood Policy		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																																			
The cost to implement the School Neighbourhood Policy varies on a location basis. Locations requiring school zone signage with controllable flashing signs are estimated to cost approximately \$15,000 per street location. Other standard signage is less costly to install and maintain.				In October of 2016, Council adopted the School Neighbourhood Policy, CR645/2016. Based on a high-level estimate, bringing all of the school locations into compliance with the policy will cost approximately \$1.8 million. Implementation of policy recommendations at existing locations will be undertaken on a priority basis as funding and resources allow.																																																																																																																																																																																																																																			
Project Comments/Reference				Version Comments																																																																																																																																																																																																																																			
7202008				COMMITMENT: CR464/2020 S 56/2020: 2022 F169 \$7,003																																																																																																																																																																																																																																			
Project Forecast				Project Detailed Forecast																																																																																																																																																																																																																																			
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Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date																																																																																																																																																																																																																																			
2018	January 1, 2022	Growth: 100.0 % Maintenance: 0.0 %	John Revell	Ongoing																																																																																																																																																																																																																																			



Project Version Summary

Project #	OPS-001-19	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Building Services
Asset Type	Unassigned	Division	Transportation Planning
Title	Pedestrian Crossovers		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
This project would cover the materials and construction of new pedestrian crossovers (PXO). PXO's are defined in the Ministry of Transportation Ontario OTM Book 15; they currently include multiple types of treatment options that can be installed depending on traffic and geometric characteristics of the site. PXO's may require anything from signs with crossing markings, flashing beacons, or fully signalized pedestrian signals. Costs range from \$25,000 to \$85,000 depending on the treatment required.				Development of prioritized pedestrian crossovers.												
Project Comments/Reference				Version Comments												
7191010																
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	200,000	200,000	0	5410	Construction Contracts - TCA											
2023	0	0	0		200,000	0	0	0	0	0	100,000	0	0	0	300,000	
2024	0	0	0		Total	200,000	0	0	0	0	100,000	0	0	0	300,000	
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		0	0	0	0	0	100,000	0	0	0	100,000		
2028	100,000	100,000	0	176	Canada Community Benefit Funding- CCBF Reserve											
2029	0	0	0		200,000	0	0	0	0	0	0	0	0	0	200,000	
2030	0	0	0		Total	200,000	0	0	0	0	100,000	0	0	0	300,000	
2031	0	0	0													
	300,000	300,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2019	200,000	200,000	0													
2021	164,993	0	164,993													
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	Addition of PXO's will increase ongoing maintenance operating costs. The affect on ongoing operating costs will be dependent upon the quantity and treatments installed.								0	0		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												

2019	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	John Revell	Ongoing`
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Project Version Summary

Project #	OPS-003-14	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Building Services
Asset Type	Unassigned	Division	Transportation Planning
Title	University Avenue Environmental Assessment Placeholder		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 2, Ward 3		
Version Name	Main (Active)		

Project Description				Version Description												
As per the 2014 Enhanced Capital Plan, Council approved in principle funds from the 2018 Debt Reduction Levy for an environmental assessment that will be undertaken to create an attractive complete streets corridor by identifying the preferred alternative to reallocate any identified surplus vehicle capacity and optimize the design of the right-of-way. Implementation will be initiated with the balance of the funding.				As per CR89/2014, Report #17088, Council approved the University Avenue project from Huron Church Road to McDougall Street. The environmental assessment is currently on hold pending completion of the University Ave Community improvement Plan being prepared by City Planning staff.												
Project Comments/Reference				Version Comments												
7144008/7149000 (closed)				COMMITMENT: B30/2019 C 53/2019: 2023 F221 \$401,000 - 2024 F169 \$125,000 - 2024 F221 \$475,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	0	0	0	Expenses												
2023	401,000	401,000	0	5410	Construction Contracts - TCA											
2024	850,000	850,000	0		0	401,000	850,000	0	0	0	0	0	0	0	1,251,000	
2025	0	0	0													
2026	0	0	0													
2027	0	0	0													
2028	0	0	0													
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	1,251,000	1,251,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2018	5,000,000	5,000,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description									Exp/(Rev)	FTE Impact	
				Unknown	The results of the ESR could influence the on-going operating expenses								0	0		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2014	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %	John Revell	TBD`												



Project Version Summary

Project #	OPS-007-16	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Building Services
Asset Type	Unassigned	Division	Transportation Planning
Title	Cabana Rd. Pavement Markings		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 1, Ward 9		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																												
CR92/2015 approves Traffic Operations to include ongoing capital requirements for the maintenance of specialty pavement markings of approximately \$110,000 every 5 years until full implementation of the Cabana/Division Road Corridor Environmental Study Report cross section.				Cycling facilities on Cabana Road from Northway Avenue to Walker Road.																																																																																																																																																																																																																												
Project Comments/Reference				Version Comments																																																																																																																																																																																																																												
Project Forecast				Project Detailed Forecast																																																																																																																																																																																																																												
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2028	110,000	110,000	0	Total	0	0	110,000	0	0	0	110,000	0	0	0	220,000																																																																																																																																																																																																																	
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2016	January 1, 2020	Growth: 0.0 % Maintenance: 0.0 %	John Revell	Every 5 Years																																																																																																																																																																																																																												



Project Version Summary

Project #	OPS-009-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Building Services
Asset Type	Unassigned	Division	Transportation Planning
Title	Transportation Planning Environmental Study Reports (ESRs)		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Ongoing allocation to provide funds for Environmental Study Reports (ESR) as approved by CR148/2001.</p> <p>The list of upcoming ESRs (alpha order) are:</p> <ul style="list-style-type: none"> - Central (Tecumseh to E.C. Row Expressway) - E.C. Row Expressway - Jefferson (Rose to to Airport Lands) - Lauzon Road (Tecumseh Road East to Forest Glade Drive) - Ojibway Parkway (MTO Jurisdiction to Morton Drive) - Transportation Master Plan - Truck Route Study - Wyandotte Street East Extension (Jarvis to Banwell) 	<p>ESRs typically extend beyond one year in duration (range from \$70,000 - \$500,000 per study).</p> <p>Note: Annual budgets may need to be accumulated in order to initiate a typical ESR if the cost is significant.</p>
Project Comments/Reference	Version Comments
<p>7086010</p> <p>The transportation master plan would build upon recently-completed city-wide transportation-related plans, such as the Transit Service Delivery Review (“More Than Transit”) and the Active Transportation Master Plan (“Walk Wheel Windsor”), as well as current studies examining the transportation needs of large portions of the City, such as the Sandwich South Servicing Master Plan.</p>	<p>Windsor’s most recent approved transportation master plan, the Windsor Area Long-term Transportation Study (WALTS), was completed in 1999 and analyzed Windsor’s transportation needs out to a horizon year of 2016. WALTS made recommendations for transportation improvements within the City limits of the time, which did not include the annexed lands of the former Township of Sandwich South that were acquired in 2003.</p> <p>A transportation master plan, typically updated every 5 years, is a critical document for identifying a municipality’s future transportation needs and long-term infrastructure funding requirements. A transportation master plan also streamlines and reduces the cost of environmental assessments (EAs) for individual transportation projects, since the Municipal Class EA considers a master plan to fulfill the first two phases of the five-phase environmental assessment process.</p> <p>The transportation master plan would build upon recently-completed city-wide transportation-related plans, such as the Transit Service Delivery Review (“More Than Transit”) and the Active Transportation Master Plan (“Walk Wheel Windsor”), as well as current studies examining the transportation needs of large portions of the City, such as the Sandwich South Servicing Master Plan.</p>

Project Forecast				Project Detailed Forecast												
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Net City Cost	Subsidies													
2022	100,000	100,000	0	Expenses												
2023	100,000	100,000	0	2950	Other Prof Services-External											
2024	100,000	100,000	0		100,000	100,000	100,000	100,000	100,000	0	0	0	0	200,000	700,000	
2025	100,000	100,000	0		Total											
2026	100,000	100,000	0		100,000	100,000	100,000	100,000	100,000	0	0	0	0	200,000	700,000	
2027	0	0	0	Revenues												
2028	0	0	0	160	Capital Expenditure Reserve											
2029	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
2030	0	0	0	169	Pay As You Go - Capital Reserve											
2031	200,000	200,000	0		25,000	25,000	25,000	25,000	25,000	0	0	0	0	200,000	325,000	
	700,000	700,000	0	221	Service Sustainability Investm											
					75,000	75,000	75,000	75,000	75,000	0	0	0	0	0	375,000	
					Total											
					100,000	100,000	100,000	100,000	100,000	0	0	0	0	200,000	700,000	
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2007	200,000	200,000	0													
2008	200,000	200,000	0													
2009	200,000	200,000	0													
2011	250,000	250,000	0													
2012	100,000	100,000	0													
2014	100,000	100,000	0													
2015	100,000	100,000	0													
2016	100,000	100,000	0													
2017	100,000	100,000	0													
2018	100,000	100,000	0													
2019	100,000	100,000	0													
2020	100,000	100,000	0													
2021	225,000	225,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	The results of the ESRs could influence the operating expenses for the related capital projects.								0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2007	January 2, 2015	Growth: 25.0 % Maintenance: 75.0 %		John Revell					Ongoing`							



Project Version Summary

Project #	OPS-014-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Building Services
Asset Type	Unassigned	Division	Transportation Planning
Title	Citywide Bikeway Development Initiatives		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>Various locations for bike facility development as approved by B.U.M.P. and CR554/2001. This funding is dedicated to implementing the 4 main components: Cycling Network Development, Cycling Awareness and Education, Cycling-Transit Links and End-of-trip Facilities. CR627/2016 & CR628/2016 confirmed the project list for enhanced funding received to date. Note: Implementation of cycling facilities will depend on schedule of road reconstruction and resurfacing projects.</p>	<p>Version Description</p> <p>Increased capital budgets since 2011 are essential to ensuring cycling facilities are constructed in capital projects by other divisions and to access grant funding (those requiring municipal contribution) as it becomes available.</p>
<p>Project Comments/Reference</p> <p>(Closed: 7086009,7092024-ISF) Active: 7111031</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	200,000	200,000	0	5410	Construction Contracts - TCA										
2023	200,000	200,000	0		200,000	200,000	400,000	400,000	400,000	100,000	100,000	100,000	100,000	600,000	2,600,000
2024	400,000	400,000	0		Total	200,000	200,000	400,000	400,000	400,000	100,000	100,000	100,000	600,000	2,600,000
2025	400,000	400,000	0	Revenues											
2026	400,000	400,000	0	169	Pay As You Go - Capital Reserve										
2027	100,000	100,000	0		0	0	0	0	0	100,000	100,000	100,000	500,000	800,000	
2028	100,000	100,000	0	176	Canada Community Benefit Funding- CCBF Reserve										
2029	100,000	100,000	0		200,000	200,000	400,000	400,000	400,000	100,000	0	0	0	100,000	1,800,000
2030	100,000	100,000	0		Total	200,000	200,000	400,000	400,000	400,000	100,000	100,000	100,000	600,000	2,600,000
2031	600,000	600,000	0												
	2,600,000	2,600,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	200,000	200,000	0												
2008	200,000	200,000	0												
2009	200,000	66,667	133,333												
2010	200,000	66,667	133,333												
2011	400,000	400,000	0												
2012	400,000	400,000	0												
2013	400,000	400,000	0												
2015	400,000	400,000	0												
2016	200,000	200,000	0												
2017	400,000	400,000	0												
2018	500,000	500,000	0												
2019	600,000	600,000	0												
2020	500,000	500,000	0												
2021	400,000	400,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	The addition of cycling facilities adds to maintenance requirements related to signage, pavement marking, streetscaping, winter maintenance, etc.							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2007	January 1, 2015	Growth: 100.0 % Maintenance: 0.0 %		Juan Paramo				Ongoing`							



Project Version Summary

Project #	OPS-021-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Building Services
Asset Type	Unassigned	Division	Transportation Planning
Title	Traffic Calming Initiatives		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
General ongoing allocation of funds for Traffic Calming initiatives per the Traffic Calming Policy (CR537/2005). On September 21, 2015, Council approved the revised Traffic Calming Policy (M394-2015). Ongoing Capital budget is required including processing requests through the policy process and implementation of prioritized traffic calming plans.				The magnitude of the prioritized traffic calming plans and available funding will dictate the implementation schedule.												
Project Comments/Reference				Version Comments												
7069022 7211020-Expedited Traffic Calming																
Project Forecast				Project Detailed Forecast												
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Net City Cost	Subsidies													
2022	0	0	0	Expenses												
2023	0	0	0	2950	Other Prof Services-External	0	0	0	0	400,000	0	100,000	0	0	1,140,000	1,640,000
2024	0	0	0	Total		0	0	0	0	400,000	0	100,000	0	0	1,140,000	1,640,000
2025	0	0	0	Revenues												
2026	400,000	400,000	0	160	Capital Expenditure Reserve	0	0	0	0	0	100,000	0	0	0	100,000	
2027	0	0	0	169	Pay As You Go - Capital Reserve	0	0	0	0	400,000	0	0	0	1,140,000	1,540,000	
2028	100,000	100,000	0	Total		0	0	0	0	400,000	0	100,000	0	0	1,140,000	1,640,000
2029	0	0	0													
2030	0	0	0													
2031	1,140,000	1,140,000	0													
1,640,000		1,640,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2011	50,000	50,000	0													
2014	75,000	75,000	0													
2016	75,000	75,000	0													
2019	169,000	169,000	0													
2020	206,000	206,000	0													
2021	200,000	200,000	0													

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2007	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %	Jeff Hagan	Ongoing`	0	0
			Effective Date Description Unknown Traffic calming features have associated on-going maintenance / operational costs including signage, markings, surface and winter maintenance. (The ongoing operational costs associated with the temporary speed cushions are approximately \$2,000 per location annually and approximately \$500 per location annually for permanent speed cushions.)			



Project Version Summary

Project #	MAY-001-19	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Economic Development
Asset Type	Unassigned	Division	Economic Development Office
Title	Windsor Works		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
This project will provide funding for various economic development investments throughout the City.																
Project Comments/Reference				Version Comments												
7202006				COMMITMENT: B6/2021 C 14/2021: 2022 F169 \$1,000,000 - 2023 F169 \$1,000,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	1,000,000	1,000,000	0	2915	Consulting Services - External											
2023	1,000,000	1,000,000	0		1,000,000	1,000,000	0	0	0	0	0	0	3,000,000	3,529,791	8,529,791	
2024	0	0	0		Total	1,000,000	1,000,000	0	0	0	0	0	3,000,000	3,529,791	8,529,791	
2025	0	0	0			0										
2026	0	0	0	Revenues												
2027	0	0	0	169	Pay As You Go - Capital Reserve											
2028	0	0	0		1,000,000	1,000,000	0	0	0	0	0	0	3,000,000	3,529,791	8,529,791	
2029	0	0	0		Total	1,000,000	1,000,000	0	0	0	0	0	3,000,000	3,529,791	8,529,791	
2030	3,000,000	3,000,000	0			0										
2031	3,529,791	3,529,791	0			0										
	8,529,791	8,529,791	0													
Historical Approved Budget																
				Year	Total Expense	Net City Cost	Subsidies									
				2020	500,000	500,000	0									
				2021	500,000	500,000	0									
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2019	January 1, 2020	Growth: 100.0 % Maintenance: 0.0 %	Jason Reynar	TBD`												



Project Version Summary

Project #	ITC-001-08	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Administration - Info. Tech.
Title	Information Technology Business Continuity Improvements		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>The first stage of good Disaster Recovery Planning is Prevention. In other words, taking steps to prevent significant outages in the IT Infrastructure. For the last several years we have strived to improve the availability of our critical systems by adding redundancy and backups to various IT infrastructure components. During this time the Corporation has also become more dependent on technology, which is consistent with other sectors.</p> <p>There does exist capital funding for some of this work in project ITC-006-07 and the focus has been on being able provide a reliable and highly available computing facility and a place hold a backup of our data off site in the event of a disaster. Significant effort has also been made on improving the quality and consistency of our backup environment, which is critical to stage 2 of the process, which is the ability to restore the environment if we do lose it for some reason. Business Continuity Planning is a larger goal of ensuring that plans are in place to keep the Corporation's mission critical functions operating before, during and after a major catastrophe. This would be a much broader corporate initiative that would require significant resources both internal and external to not only develop but also ongoing resource dedication and operating expenditure to test and maintain.</p> <p>The amount of resources dedicated to this type of planning should be proportionate to the impact that an outage would have on the business. For example, in a large financial or manufacturing organization where even a small amount of downtime will result in significant financial loss or loss of faith by investors then there should be a corresponding significant investment in ensuring the business has very minimal downtime and also has plans in place on how to continue to operate during these times. For organizations that are not at significant risk when systems fail then a more practical approach is reasonable since the increased resources required to develop and maintain Business Continuity Plans does not provide the same value.</p>	<p>The Corporation of the City of Windsor will need to decide where in this spectrum we reside and that will help to determine what level of plans are appropriate and provide the most value.</p> <p>The Corporate Security Policy and Methodology that was approved by Council is one of the tools we have to help identify critical areas where more security and availability is required and where plans should be in place in the event of an outage. Funding is also planned in the Capital Budget under project ITC-005-07 (Corporate Data & Network Security Initiatives) to address these areas as they are identified.</p> <p>It should be noted, the Disaster Recovery and/or the Security project will NOT result in a full Business Continuity Plan. If the Corporation feels that additional investment should be made to also develop a complete business continuity plan then this project will need to be approved and funded.</p>
Project Comments/Reference	Version Comments
7209005	

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	200,000	200,000	0	5410	Construction Contracts - TCA											
2023	150,000	150,000	0		200,000	150,000	150,000	100,000	0	0	75,000	50,000	50,000	50,000	825,000	
2024	150,000	150,000	0		Total	200,000	150,000	150,000	100,000	0	0	75,000	50,000	50,000	50,000	825,000
2025	100,000	100,000	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		100,000	75,000	75,000	50,000	0	0	25,000	25,000	25,000	25,000	400,000	
2028	75,000	75,000	0	221	Service Sustainability Investm											
2029	50,000	50,000	0		100,000	75,000	75,000	50,000	0	0	50,000	25,000	25,000	25,000	425,000	
2030	50,000	50,000	0		Total	200,000	150,000	150,000	100,000	0	0	75,000	50,000	50,000	50,000	825,000
2031	50,000	50,000	0													
	825,000	825,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2020	100,000	100,000	0													
2021	100,000	100,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	No Operating Budget Impact						0	0				
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2008	January 1, 2020	Growth: 50.0 % Maintenance: 50.0 %	Norm Synnott	Ongoing`												



Project Version Summary

Project #	ITC-001-10	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Administration - Info. Tech.
Title	Smart Community Initiative		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
Under the umbrella of e-Government there are several pillars. In addition to Modernizing our services, which the MyWindsor project is addressing, there is also effort to continually improve transparency, community engagement and Open Government. This requires investment in tools and technology to improve the citizen experience online providing more timely access to information and opportunities to engage. As the region moves forward with a variety of efforts to redefine our economy, working smarter, together with our Residents and business is essential. The Smart Community initiative is one of the key ways that we can accomplish this.	This funding will be used to fund e-Government projects that expand the opportunities available to engage with the public, improve the citizen's online experience and improve access to public information through open data. 2022-2026: Citizen self-service initiatives; Digital City Services; Improved open data and transparency initiatives.

Project Comments/Reference	Version Comments
7009015	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies												
2022	200,000	200,000	0	Expenses											
2023	200,000	200,000	0	5411 Construction Contracts-Non TCA											
2024	200,000	200,000	0	200,000 200,000 200,000 200,000 200,000 200,000 50,000 50,000 50,000 50,000 1,400,000											
2025	200,000	200,000	0	Total 200,000 200,000 200,000 200,000 200,000 200,000 50,000 50,000 50,000 50,000 1,400,000											
2026	200,000	200,000	0	Revenues											
2027	200,000	200,000	0	160 Capital Expenditure Reserve											
2028	50,000	50,000	0	200,000 200,000 200,000 200,000 200,000 200,000 50,000 50,000 50,000 50,000 1,400,000											
2029	50,000	50,000	0	Total 200,000 200,000 200,000 200,000 200,000 200,000 50,000 50,000 50,000 50,000 1,400,000											
2030	50,000	50,000	0												
2031	50,000	50,000	0												
1,400,000		1,400,000	0												

Historical Approved Budget			
		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2019	136,400	136,400	0
2020	136,400	136,400	0
2021	96,400	96,400	0

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
			Effective Date	Description	0	0
			Unknown	No Operating Budget Impact		
2010	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Trevor Bennet	Ongoing`		



Project Version Summary

Project #	ITC-001-13	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Administration - Info. Tech.
Title	Corporate Integration of Mobile Technologies		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Under the e-Government umbrella and modernizing government also includes moving City Services closer to the Resident and business and making them more mobile. Funding request is to facilitate implementation of organizational mobility. Untethering staff from their desks results in productivity and customer service improvements. The corporation has been making gains in these areas by incrementally growing the mobile workforce.</p> <p>Two factors are driving this future investment requirement:</p> <ol style="list-style-type: none"> 1) The current mobile workforce initiatives are ad hoc. Once a critical mass is reached, an investment will be required for a more efficient and effective holistic solution. 2) Technology changes in the mobile space are rapid and significant. Solutions implemented today will be sufficient, but this mobile space is changing so quickly it is almost certain these solutions will become antiquated in the coming years. 	<p>Costs may include but are not limited to: mobile devices, software, customization, interface development, infrastructure, security. This project includes all consumer costs to move work activities into the field.</p>
Project Comments/Reference	Version Comments
7199003	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5411	Construction Contracts-Non TCA										
2023	300,000	300,000	0		0	300,000	0	0	0	625,000	50,000	50,000	50,000	50,000	1,125,000
2024	0	0	0		Total	0	300,000	0	0	0	625,000	50,000	50,000	50,000	1,125,000
2025	0	0	0	Revenues											
2026	0	0	0	169	Pay As You Go - Capital Reserve										
2027	625,000	625,000	0		0	300,000	0	0	0	625,000	50,000	50,000	50,000	50,000	1,125,000
2028	50,000	50,000	0		Total	0	300,000	0	0	0	625,000	50,000	50,000	50,000	1,125,000
2029	50,000	50,000	0												
2030	50,000	50,000	0												
2031	50,000	50,000	0												
	1,125,000	1,125,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2019	500,000	500,000	0												
2021	375,000	375,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				Unknown	A more mobile workforce has a definite impact on Operating as each mobile device will require a monthly connectivity cost while this Capital Budget can address the up front costs. The ongoing costs will need to be allocated by each area requiring mobile services.								0	0	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2013	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Earl Larking	Ongoing`											



Project Version Summary

Project #	ITC-007-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Administration - Info. Tech.
Title	Corporate Intranet Redesign & Internet Accessibility Improvements		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description

The growing demand for e-Government or digital services for residents, visitors and businesses, requires an ongoing investment to continually modernize our services and service delivery mechanisms.

For visitors of the City's website, future initiatives will allow for enhanced delivery of municipal services. Continual enhancements to functionality will be required to meet the continual and evolving needs.

This is evident with the introduction of the MyWindsor Self Service online automation project that will provide citizens and businesses the ability, with their own secured single "MyWindsor" account, to (among other things);

- view their own information such as property tax;
- place a request for a product or service like applying for permits or licenses;
- completing online registrations;
- pay for these services

Expanding the demand for e-Government internally for employees to leverage digital services also requires an ongoing investment to modernize processes and access to information through on-demand service portals. This is delivered through the MyInfo Self Service online automation projects that will provide employees and supervisors access to information and actions to effectively support employees and

Version Description

The demand for public facing websites, internal web portals and web based technology to deliver e-Government services to Residents, visitors, businesses and employees in an effort to modernize our services and as a primary service channel is growing significantly. The funds requested in 2022 and beyond will be used to upgrade licenses to keep the technology current, expand MyWindsor and MyInfo programs or migrate to a new platform based on industry trends and Corporate needs. The continual deployment of changing technology is necessary to continue increasing the efficiency and productivity of Citizens and employees.

Project Comments/Reference

7075017

Version Comments

Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Net City Cost	Subsidies												
2022	550,000	550,000	0	Expenses											
2023	0	0	0	5411	Construction Contracts-Non TCA										
2024	0	0	0		550,000	0	0	850,000	0	0	150,000	125,000	150,000	150,000	1,975,000
2025	850,000	850,000	0	Total	550,000	0	0	850,000	0	0	150,000	125,000	150,000	150,000	1,975,000
2026	0	0	0	Revenues											
2027	0	0	0	169	Pay As You Go - Capital Reserve										
2028	150,000	150,000	0		125,000	0	0	425,000	0	0	75,000	75,000	100,000	100,000	900,000
2029	125,000	125,000	0	221	Service Sustainability Investm										
2030	150,000	150,000	0		425,000	0	0	425,000	0	0	75,000	50,000	50,000	50,000	1,075,000
2031	150,000	150,000	0	Total	550,000	0	0	850,000	0	0	150,000	125,000	150,000	150,000	1,975,000
	1,975,000	1,975,000	0												
Historical Approved Budget															
Year	Total Expense	Revenue													
		Net City Cost	Subsidies												
2007	25,000	25,000	0												
2008	100,000	100,000	0												
2009	400,000	400,000	0												
2010	500,000	500,000	0												
2011	625,000	625,000	0												
2019	850,000	850,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				Unknown	No Operating Budget Impact								0	0	
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2007	January 1, 2007	Growth: 22.7 % Maintenance: 77.3 %		Trevor Bennet				Ongoing`							



Project Version Summary

Project #	ITC-001-12	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Business Process Modernization
Title	Fire and Rescue Records Management and Computer Aided Dispatch System Initiatives		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description

To implement the following technology at Windsor Fire and Rescue Services (WFRS):

- Phase 1: A “full feature” fire records management solution (fire RMS) that will improve data accessibility and reliability for emergency responders and administrators
- Phase 2: An upgraded computer-aided dispatch (CAD) solution and other related programs to modernize the technology at WFRS.

WFRS has fallen significantly behind all other major Canadian fire agencies in the use of IT for service improvement and enhancement, specifically for creating fire RMS data, making that information available 24/7 on mobile devices, NextGen 911, and accessing corporate records. In addition to supplementing operational activities, the above new technologies are needed to provide management decision support, allow for information exchange, and expedite decision-making within WFRS and with senior City management. The department’s strategic focus is to move from ‘just keeping the lights on’ to providing incremental improvements toward achieving excellence and realizing its business goals. The acquisition of a full feature fire RMS and an upgraded CAD will help to realize that vision.

Phase 1 – Fire RMS:
 A fire RMS can save lives. It does this by compiling information quickly from unrelated programs to facilitate decision-making during emergencies. Additionally, its sophisticated analytics allow administrators to design better plans for protecting the community. Fire RMSs are used throughout the industry to address the specialized data capture and reporting needs of emergency response agencies. The technology’s modular design includes the ability to track incidents, inspections, personnel, shift assignments, training, and asset inventories/maintenance. For departments that already have computer programs to manage this information, a fire RMS can act as a layer above those systems, populating them with data while providing a simplified user experience and a similar look-and-feel across the various modules. Additionally, a fire RMS unifies records pertaining to people, properties, and emergency vehicles, and this allows for easier and more accurate report generation.

Phase 2 – CAD:
 A CAD system is an essential tool for emergency services, and the effective use of one can shorten response times and result in reduced damage to health and property. This project is for improvement and modernization of the dispatch function and all related processes associated with it.

Version Description

WFRS requires the full functionality of a Fire RMS as well as modernized dispatch processes and associated technology. Due to the size of this project, the intent is to implement it in phases.

- Phase 1 was the deployment of the fire RMS and was implemented in two stages. Stage 1 focused on the needs of Personnel, Property, Incidents, Apparatus, Quarter Master, and Training. Stage 2 addresses the remaining modules of a fire RMS, including inspections. Please note: There was some urgency to act on implementing phase 1 in 2018, thus Council approved (#C126/2018) on July 23, 2018 which approved a pre-commitment of funding from year 2021 in the amount of \$784,960 to be available for use beginning in 2018 inclusive of applicable financing costs. As of August 31, 2021, \$355,620 has been used within the project's budget to fund Phase 1.
- Phase 2 would begin in 2026+ with the modernization of dispatch and all related processes and technology.

Project Comments/Reference				Version Comments											
7183016				COMMITMENT: CR396/2018 - C 126/2018: 2021 F169 \$784,960											
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Revenue				Expenses											
Year	Total Expense	Net City Cost	Subsidies												
2022	0	0	0	5411	Construction Contracts-Non TCA										
2023	0	0	0		0	0	0	0	100,000	100,000	200,000	200,000	200,000	250,000	1,050,000
2024	0	0	0	Total	0	0	0	0	100,000	100,000	200,000	200,000	200,000	250,000	1,050,000
2025	0	0	0	Revenues											
2026	100,000	100,000	0	169	Pay As You Go - Capital Reserve										
2027	100,000	100,000	0		0	0	0	0	100,000	100,000	200,000	200,000	200,000	250,000	1,050,000
2028	200,000	200,000	0	Total	0	0	0	0	100,000	100,000	200,000	200,000	200,000	250,000	1,050,000
2029	200,000	200,000	0												
2030	200,000	200,000	0												
2031	250,000	250,000	0												
	1,050,000	1,050,000	0												
Historical Approved Budget															
				Revenue											
Year	Total Expense	Net City Cost	Subsidies												
2021	800,000	800,000	0												
Related Projects				Operating Budget Impact											
Follows		Project Title													
FRS-002-07		Fire & Rescue Computer-aided Dispatch System (CRISYS)													
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2012	January 1, 2021	Growth: 0.0 % Maintenance: 0.0 %		Trevor Bennet					2031+						



Project Version Summary

Project #	ITC-001-09	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	End User Management
Title	Corporate Facilities Content Access Improvements		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description											
Improve corporate communication and display notification features at locations that have employees without computer access and in meeting rooms where collaboration can significantly improve efficiency and service levels				The trend for content access demand within the corporate community continues to increase, with the technology required to deliver this medium changing at an equal pace. Virtual meetings are now common but meeting rooms lack the technology for multiple physical participants. Disseminating and posting of paper based notifications is still time consuming and archaic. Putting in place the technology required for virtual meeting rooms and corporate content access is the focus of this project budget.											
Project Comments/Reference				Version Comments											
7101007															
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Revenue		Expenses											
		Net City Cost	Subsidies	5411	Construction Contracts-Non TCA										
2022	200,000	200,000	0		200,000	0	0	0	0	0	75,000	75,000	50,000	50,000	450,000
2023	0	0	0												
2024	0	0	0		Total	200,000	0	0	0	0	75,000	75,000	50,000	50,000	450,000
2025	0	0	0	Revenues											
2026	0	0	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		200,000	0	0	0	0	0	75,000	75,000	50,000	50,000	450,000
2028	75,000	75,000	0		Total	200,000	0	0	0	0	75,000	75,000	50,000	50,000	450,000
2029	75,000	75,000	0												
2030	50,000	50,000	0												
2031	50,000	50,000	0												
	450,000	450,000	0												
Historical Approved Budget															
				Operating Budget Impact											
Year	Total Expense	Revenue		Effective Date	Description	Exp/(Rev)	FTE Impact								
2010	150,000	150,000	0	Unknown	No Operating Budget Impact	0	0								
2020	200,000	200,000	0												
Related Projects															
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2009	January 1, 2010	Growth: 100.0 % Maintenance: 0.0 %	Earl Larking	Ongoing`											



Project Version Summary

Project #	ITC-001-19	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	End User Management
Title	Funding for Microsoft Software		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description

Desktop computers and most servers at the City of Windsor require a number of Microsoft licenses to deploy. Desktops run on Microsoft Windows and utilize the Microsoft Office suite of products. Most servers run Microsoft Windows for Servers and many databases are Microsoft SQL. Our email system utilizes Microsoft Exchange and our Web environment is built on the Microsoft SharePoint platform. The Microsoft Corporation licensing fees required to run these products are very expensive.

Microsoft refreshes / updates their software with new versions every few years and currently discontinue support for older versions after 10 years. We currently budget for new software versions on a five-year cycle but in most cases have been able to extend their use beyond 5 years. In 2018 the City refreshed most of our Microsoft licenses, upgrading to the current version of software.

While implementing these perpetual Microsoft licences will allow us to function for the next several years, we do need to begin planning for the future of Microsoft products in our environment. This includes considering future deployment and support processes, as well as, the costing impact to the City.

Gartner, world's leading research and advisory company, advised that organizations budget to subscribe to Office 365 ProPlus (or an Office 365 bundle that includes it) by October 2020 or rebuy traditional licences every five years (or less, if available) if you have plans to use Exchange Online or SharePoint Online with traditional editions of Outlook and other Office client software.

As noted above, this may be the last time we can purchase perpetual Microsoft licenses, as Microsoft are changing their software licensing model to subscription-based licensing and moving a lot of their services into the cloud.

Microsoft plans on releasing updates to all its applications and operating systems on a 6-month basis with support diminished to 18 months from the time of release. Moving to a subscription-based model is costlier than deploying perpetual licences and utilizing those licences until they are no longer supported.

Currently, we have been financing the Microsoft licenses through a portion of the annual \$480 PC Maintenance and Support Reserve fees of \$40 / month. Each user account on our system requires Microsoft licensing. Almost all user accounts utilize a City desktop or laptop and a portion of this \$40 / month fee has covered the Microsoft licenses.

Version Description

The funds requested in 2026 and beyond will be used to cover the shortfall in the PC Maintenance and Support Reserve account to procure future Microsoft licenses.

The Work Force Windsor project added approximately 1,500 new user accounts that are not directly associated with a City desktop or laptop and that are not part of the annual PC Maintenance and Support Reserve program which covers the cost of Microsoft licensing. The Work Force Windsor project start-up costs and the excess in the PC Maintenance and Support Reserve (by our past practise of extending software beyond five years) was able to cover the initial Microsoft licenses purchased in 2018.

With the increased cost of Microsoft licenses and the extra licenses needed for the new Work Force Windsor user accounts, the PC Maintenance and Support Reserve will be unable to fund the necessary Microsoft licensing after five years when the next license purchase is required. Computer software is critical to the operation of the City of Windsor, and in most cases licensing fees are unavoidable and expensive.

Project Comments/Reference	Version Comments
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Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Revenue		Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	0	0	0	5410	Construction Contracts - TCA											
2023	0	0	0		0	0	0	0	600,000	600,000	900,000	900,000	900,000	200,000	4,100,000	
2024	0	0	0		Total	0	0	0	0	600,000	600,000	900,000	900,000	900,000	200,000	4,100,000
2025	0	0	0	Revenues												
2026	600,000	600,000	0	169	Pay As You Go - Capital Reserve											
2027	600,000	600,000	0		0	0	0	0	0	150,000	150,000	150,000	0	450,000		
2028	900,000	900,000	0	221	Service Sustainability Investm											
2029	900,000	900,000	0		0	0	0	0	600,000	600,000	750,000	750,000	750,000	200,000	3,650,000	
2030	900,000	900,000	0		Total	0	0	0	0	600,000	600,000	900,000	900,000	900,000	200,000	4,100,000
2031	200,000	200,000	0													
	4,100,000	4,100,000	0													

Historical Approved Budget

Related Projects	Operating Budget Impact								
	<table border="1"> <thead> <tr> <th>Effective Date</th> <th>Description</th> <th>Exp/(Rev)</th> <th>FTE Impact</th> </tr> </thead> <tbody> <tr> <td>2026-01-01</td> <td>Unless this ongoing, yearly funding is approved or a new funding model is developed to cover the future costs for Microsoft's new subscription based, cloud software licensing model, an extremely large increase to departmental pc maintenance fees will be required from all departments.</td> <td>1</td> <td>0</td> </tr> </tbody> </table>	Effective Date	Description	Exp/(Rev)	FTE Impact	2026-01-01	Unless this ongoing, yearly funding is approved or a new funding model is developed to cover the future costs for Microsoft's new subscription based, cloud software licensing model, an extremely large increase to departmental pc maintenance fees will be required from all departments.	1	0
Effective Date	Description	Exp/(Rev)	FTE Impact						
2026-01-01	Unless this ongoing, yearly funding is approved or a new funding model is developed to cover the future costs for Microsoft's new subscription based, cloud software licensing model, an extremely large increase to departmental pc maintenance fees will be required from all departments.	1	0						

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2019	January 1, 2024	Growth: 0.0 % Maintenance: 0.0 %	Earl Larking	Ongoing



Project Version Summary

Project #	ITC-002-19	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Enterprise Systems
Title	Municipal Tax System		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>The AMANDA Enterprise System (AMANDA) is a corporate-wide application that the City of Windsor (City) uses to help manage and support several City services. In AMANDA, the Tax module is currently used by the Finance department to manage the issuance of property tax bills and the collection of revenue. As the main source of revenue for the City, approximately \$408M is collected through this system.</p> <p>The software vendor, CSDC Systems, has announced the end-of-life period for the current Tax module within AMANDA. CSDC made the decision to remove the Tax module from their list of software product offerings with immediate effect and with no application upgrades available to the existing version. CSDC has estimated that support for the existing version of the Tax module will end in approximately 3 years. Other modules in AMANDA such as Permitting, Licensing and Compliance, etc. will not be impacted.</p> <p>The City must procure and implement a new Tax System from another software vendor to replace the current Tax module in AMANDA. It is critical that this new system be implemented prior to support ending with CSDC to ensure the timely and accurate billing of municipal property taxes along with collection of revenue. Given the impact to revenue, this presents a significant risk to the City as property tax revenue funds the majority of our City services.</p> <p>The \$408M worth of yearly revenue collected through the AMANDA Tax Module includes property tax revenue and other tax revenue administered by the Finance department for the English Separate School Boards, English Public School Board, French Separate School Board, French Public School Board, Enwin Utilities and the Provincial Offenses Act Office.</p> <p>Delivery of a new Tax System will occur in 3 major phases: Phase 1: Tax System Discovery and Procurement Phase 2: Implementation of a New Tax System Phase 3: Deployment of a New Tax System</p> <p>The estimated cost of this project of \$2.5M is based on the previous implementation of the AMANDA Tax module plus anticipated resource costs.</p>	<p>Delivery of a new Tax System will occur in 3 major phases and will require capital funding for the software implementation costs, customization and data conversion costs, maintenance and support fees along with additional resources for the following:</p> <p>Phase 1: Tax System Discovery and Procurement</p> <p>The replacement of the Tax System is a critical project that must be completed because the current system will no longer be offered. This creates two significant enterprise risks to the City that technology might fail to meet our needs in the delivery of services and in the portrayal of the City regarding municipal tax billings. Failure to collect revenue could pose a critical financial risk to several other enterprise systems in the delivery of City services. The City has completed this phase of the project and procured a new tax system from Central Square to replace the AMANDA module.</p> <p>Phase 2: Implementation of a New Tax System (Started)</p> <ul style="list-style-type: none"> • Software, Licensing or Subscription Fees, Data Conversion, Customization, Tax Reports & Documentation, Testing, Human Resources, etc. <p>Phase 3: Deployment of a New Tax System</p> <ul style="list-style-type: none"> • Training, Human Resources, Deploy new Tax System, Provide Support After Go-Live <p>Future Expenses (2026)</p> <ul style="list-style-type: none"> • Upgrades, customizations, maintenance, etc.
<p>Project Comments/Reference</p> <p>7207000</p>	<p>Version Comments</p> <p>COMMITMENTS: CR526/2021 C 132/2021: 2023 F221 \$1,341,000 - 2026 F221 \$530,000</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5126	Computer Software										
2023	1,341,000	1,341,000	0		0	1,341,000	0	0	530,000	0	0	0	0	0	1,871,000
2024	0	0	0		Total	0	1,341,000	0	0	530,000	0	0	0	0	1,871,000
2025	0	0	0	Revenues											
2026	530,000	530,000	0	221	Service Sustainability Investm										
2027	0	0	0		0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	221CF	Committed Funding										
2029	0	0	0		0	1,341,000	0	0	530,000	0	0	0	0	0	1,871,000
2030	0	0	0		Total	0	1,341,000	0	0	530,000	0	0	0	0	1,871,000
2031	0	0	0												
	1,871,000	1,871,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2020	233,500	233,500	0												
2021	1,795,500	1,795,500	0												
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2019	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %		Josh Higgins					2026`						



Project Version Summary

Project #	ITC-008-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Enterprise Systems
Title	Corporate Enterprise Resource Planning (ERP) System		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>The focus of this project is to utilize funds to support necessary enhancements to Enterprise Resource Planning systems. Such items include System Support, Projects or Business Process Initiatives approved by the various Governance Groups that create corporate technical workplans annually. A sub-project is being initiated to formulate recommendations on the eventual replacement or upgrading of PeopleSoft Financials and HRMS. Rimini Street Inc. (Rimini) provides 3rd party support services to the City of Windsor (City) for both of these systems currently. In 2014 the City ended its support and maintenance agreement with Oracle and signed with Rimini. The Rimini support services are offered at a lower cost however they do not provide version upgrades to the applications. As the aging technology has not been upgraded since 2009 for PeopleSoft Financial and 2011 for PeopleSoft HRMS, it has been identified as a significant enterprise risk that technology could fail to meet our needs if not updated.</p>	<p>Version Description</p> <p>In 2021, the City extended the support and maintenance agreement with Rimini until 2027 with the view towards a replacement of both PeopleSoft systems or a major upgrade to the existing applications. Risk indicators are showing incompatibility concerns with related technology such as Microsoft that is causing challenges with maintaining the applications.</p> <p>2022+ – Reporting tools, enhancements to online services and in 2025 it will be 10 year’s that PeopleSoft (FIN/HRMS) has been supported by Rimini Street without a version upgrade. Research and planning must occur prior to this to ensure the sustainability of our financial and HR systems to determine the appropriate ERP roadmap for a version upgrade or software replacement. Additionally, the Workforce Management System will require system updates to remain current with the vendors support agreement. This will require upgrades to the current version and reconfiguration of business rules depending on collective bargaining changes and other related legislative changes (including Workforce Management (WFM) Contingency).</p> <p>A significant enterprise risk exists in that technology could fail to meet our needs if the technology is not updated within the next 5 years. Each year the risk increases as the software ages and related technology changes. An ERP roadmap will be created in 2022 to identify costs and make recommendations on the replacement or upgrading of these systems. This information will have to be reviewed with the available funding to ensure both systems are maintained. At the end of the Rimini support agreement, it will be 18 years since the last PeopleSoft Financials upgrade and 16 years for PeopleSoft HRMS. Given the age of technology and incompatibility with Microsoft, it is critical that the City be actively moving to a new/upgraded system(s) or have completed the changeover.</p>
<p>Project Comments/Reference</p> <p>7074018</p>	<p>Version Comments</p> <p>A budget pressure on the available capital funding is the Oracle license agreement which authorizes the City to use the PeopleSoft applications. The PeopleSoft Financial system is licensed based on the value of the City’s annual budget, and PeopleSoft HRMS is licensed based on the headcount of employees in the system. For PeopleSoft Financials, it is anticipated that the City will exceed the threshold in the agreement in 2022 or 2023 and have to purchase additional licenses to continue to use the application.</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	250,000	250,000	0	5411	Construction Contracts-Non TCA										
2023	250,000	250,000	0		250,000	250,000	0	516,696	2,000,000	2,154,473	1,750,000	2,250,000	2,000,000	1,100,000	12,271,169
2024	0	0	0	Total	250,000	250,000	0	516,696	2,000,000	2,154,473	1,750,000	2,250,000	2,000,000	1,100,000	12,271,169
2025	516,696	516,696	0	Revenues											
2026	2,000,000	2,000,000	0	169	Pay As You Go - Capital Reserve										
2027	2,154,473	2,154,473	0		0	0	0	0	0	500,000	1,000,000	750,000	300,000	2,550,000	
2028	1,750,000	1,750,000	0	221	Service Sustainability Investm										
2029	2,250,000	2,250,000	0		250,000	250,000	0	516,696	2,000,000	2,154,473	1,250,000	1,250,000	1,250,000	800,000	9,721,169
2030	2,000,000	2,000,000	0	Total	250,000	250,000	0	516,696	2,000,000	2,154,473	1,750,000	2,250,000	2,000,000	1,100,000	12,271,169
2031	1,100,000	1,100,000	0												
	12,271,169	12,271,169	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	100,000	100,000	0												
2008	100,000	100,000	0												
2009	250,000	250,000	0												
2010	300,000	300,000	0												
2012	140,000	140,000	0												
2014	125,000	125,000	0												
2015	100,000	100,000	0												
2016	25,000	25,000	0												
2019	475,000	475,000	0												
2020	125,000	125,000	0												
2021	250,000	250,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				Unknown	No Operating Budget Impact								0	0	
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2007	January 1, 2007	Growth: 0.0 % Maintenance: 100.0 %		Josh Higgins				Ongoing`							



Project Version Summary

Project #	ITC-011-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Enterprise Systems
Title	AMANDA Information System Upgrades and Improvements		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>The AMANDA Enterprise System is a Corporate wide system used by many Departments including Licensing, Building, Fire, Public Works, Property Taxes etc. Enhancements to this system are required to support business administration, accommodate legislative changes, implement software upgrade requirements, and maintain technology standards. These enhancements have been approved by the AMANDA Governance and Managers groups, and will be scheduled for the next five ten year plan. The enhancements are approved and are monitored as part of the corporate AMANDA annual work plan. With this funding strategy the goal is to primarily ensure that the system remains functional, accommodates expansion, and ensures day-to-day business continuity.</p>	<p>The pre-work in preparation for the Upgrade to AMANDA 7 continues with infrastructure improvements, report 2019 - The AMANDA 7 upgrade will need to continue in order to meet vendor support requirements. This includes completing the new security framework, upgrading the infrastructure, reviewing departmental business processes and creation of departmental job aids, analysis of other corporate applications dependant on AMANDA data, extensive testing of all modules and corporate wide training on the new platform.</p> <p>2021 – The AMANDA 7 upgrade continues with the infrastructure enhancements (creating two database instances) and will follow with the other milestones necessary to complete the upgrade from client to web version, which will meet the product life-cycle requirements to maintain vendor support. These milestones include completing the new security framework, upgrading the infrastructure, reviewing departmental business processes and creating departmental job aids, analysis of other corporate applications dependant on AMANDA data, extensive testing of all modules and corporate wide training on the new platform.</p> <p>2022+ - Projects for consideration through Amanda Governance for Corporate departments are; Continuation of upgrade to the AMANDA application, enhancements to integrate with new initiatives i.e. Evolve, My Windsor and the new Municipal Property Tax Solution. It is anticipated that by at least 2025 that the AMANDA 7 version will need to be upgraded which will require project funding for the conversion, consulting services and enhancements to the application.</p> <p>Implementation of additional functionality will continue that will create efficiencies needed by the corporate users as submitted through the governance process.</p> <p>If maintenance upgrades are not complete and funded from year to year, significant costs for consulting and hardware purchase may occur. This includes product version and infrastructure upgrades along with modernizing the application to remain current with industry standards.</p>
Project Comments/Reference	Version Comments
7075021	

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	300,000	300,000	0	5411	Construction Contracts-Non TCA											
2023	200,000	200,000	0		300,000	200,000	200,000	200,000	0	0	250,000	250,000	250,000	250,000	1,900,000	
2024	200,000	200,000	0		Total	300,000	200,000	200,000	200,000	0	0	250,000	250,000	250,000	250,000	1,900,000
2025	200,000	200,000	0	Revenues												
2026	0	0	0	160	Capital Expenditure Reserve											
2027	0	0	0		75,000	50,000	0	0	0	0	0	0	0	0	125,000	
2028	250,000	250,000	0	221	Service Sustainability Investm											
2029	250,000	250,000	0		225,000	150,000	200,000	200,000	0	0	250,000	250,000	250,000	250,000	1,775,000	
2030	250,000	250,000	0		Total	300,000	200,000	200,000	200,000	0	0	250,000	250,000	250,000	250,000	1,900,000
2031	250,000	250,000	0													
	1,900,000	1,900,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2007	150,000	150,000	0													
2008	150,000	150,000	0													
2009	150,000	150,000	0													
2010	150,000	150,000	0													
2011	150,000	150,000	0													
2012	150,000	150,000	0													
2015	100,000	100,000	0													
2016	25,000	25,000	0													
2018	200,000	200,000	0													
2019	350,000	350,000	0													
2020	200,000	200,000	0													
2021	200,000	200,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	No Operating Budget Impact								0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2007	January 1, 2007	Growth: 25.0 % Maintenance: 75.0 %		Josh Higgins				Ongoing`								



Project Version Summary

Project #	ITC-001-18	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Technology Infrastructure
Title	Online Access for Non-Network Users		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>The City of Windsor on average employs approximately 3,500 people in a full-time, temporary and part-time basis (not including the Windsor Police Service). Of those 3,500 employees, roughly 1,500 of them do not have access to the corporate network. This limits the options available to communicate with employees and offer corporate resources to make them more efficient in their duties. The purpose of this project is to provide non-network users with access to corporate online resources.</p> <p>The benefits of providing non-network users with corporate access includes but is not limited to:</p> <ol style="list-style-type: none"> 1. Identity & Access Management <ul style="list-style-type: none"> • This will offer a secure method to properly authenticate employee that are accessing our internal resources. 2. Access to the WorkForce Time & Attendance system <ul style="list-style-type: none"> • A large portion of the employees without access to the corporate network work complex schedules that vary from week to week. Providing access to the WorkForce system will allow them to access their schedule, request and/or be notified of changes to their schedule, and have greater visibility into their information. 3. Access to employee self-service (My info) <ul style="list-style-type: none"> • This will allow all employees to access and manage their personal information while also eliminating the need for paper-based forms. There is currently a large amount of effort exerted internally administering paper-based forms. Employees will be able to access their pay advices and T4's online eliminating the need for manual distribution of these documents and many others. 4. Online training and onboarding of new employees <ul style="list-style-type: none"> • This will allow the corporation to utilize online training for all employees through a consistent method reducing the need to provide onsite training. It will improve the onboarding process for documenting new employees by utilizing online forms. 5. Improved communications with employees <ul style="list-style-type: none"> • This will offer enhanced tools to communicate and engage employees by allowing us to share information such as documents, videos, and announcements. 6. Offering access to other corporate applications <ul style="list-style-type: none"> • With a secure method to authenticate users we will be able to offer more online tools to assist employees in effectively performing their duties. 	<p>Version Description</p> <p>The funds requested in 2021 and 2022 will be used to procure licenses for new non-network users across the corporation to access online resources. These licenses are necessary to properly authenticate all users to the WorkForce and My Info applications. This will ensure that only authorized users access corporate resources and that communications with employees is done in a secure manner. Access to the WorkForce and My Info applications will reduce the risk of payroll errors and help ensure timely and accurate payroll data while also allowing the corporation to realize administrative benefits by moving towards online forms and communication with employees. Most software vendors are moving from perpetual licensing to a more costly, annual subscription-based model. Going forward, as perpetual licenses reach end of life, we will likely be forced to move to these subscription models. The costs associated with renewing these licenses or moving to a subscription based model will need to be built into the Corporations PC Maintenance/Support Reserve Fund 177. Analysis on the sustainability of this Reserve Fund will be completed in 2021</p>
<p>Project Comments/Reference</p> <p>7183017</p>	<p>Version Comments</p> <p>COMMITMENT: CR395/2018 - C 123/2018: 2022 F169 \$100,000</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	100,000	100,000	0	5411	Construction Contracts-Non TCA										
2023	0	0	0		100,000	0	0	0	0	0	0	0	0	0	100,000
2024	0	0	0	Total	100,000	0	0	0	0	0	0	0	0	0	100,000
2025	0	0	0	Revenues											
2026	0	0	0	169CF	Committed Funding										
2027	0	0	0		100,000	0	0	0	0	0	0	0	0	0	100,000
2028	0	0	0	Total	100,000	0	0	0	0	0	0	0	0	0	100,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	100,000	100,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2020	250,000	250,000	0												
2021	200,000	200,000	0												
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2018	January 1, 2018	Growth: 100.0 % Maintenance: 0.0 %	Earl Larking	2022`											



Project Version Summary

Project #	ITC-001-22	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type		Division	Technology Infrastructure
Title	Data & Insights		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards			
Version Name	Main (Active)		

Project Description	Version Description
<p>The purpose of this project is to implement the recommendations from the Information Builders, Inc. (IBI) report (Report) to Council. In 2019, the City of Windsor (City) hired IBI to find efficiencies that could be achieved through data analytics and information management. The following recommendations were made:</p> <ul style="list-style-type: none"> - Develop an integrated information management strategy to meet the City's strategic goals - Implement a business intelligence and analytics architecture in phases as described in the report; - Create a Business Intelligence Centre of Excellence (BI CoE) to support the successful implementation of the business intelligence and analytics architecture and the more effective use of data at all levels of the organization; - Invest in the business process re-design and change management that is essential to the success of the overall plan. <p>An operating budget issue (2022-0270) has been submitted to create the BI CoE which the City will refer to as the Data Solutions division. To implement the other recommendations in the Report, capital funding is required to develop the information management strategy, to build the analytics architecture, and invest in business process redesign.</p>	<p>A one-time transfer from project, ITC-007-07 Intranet Redesign & Internet Accessibility, for \$300,000 has been done to allocate the initial capital funding needed to start the implementation activities. IBI provided cost estimates to implement their recommendations that included consulting services, one-time and on-going software/hardware costs, training, and positions to start the adoption phase of the project. With the development of the integrated information management strategy future capital requests will be brought forward to continue with the adoption phase</p>
Project Comments/Reference	Version Comments
7221035	

Project Forecast				Project Detailed Forecast												
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Net City Cost	Subsidies													
2022	300,000	300,000	0	Expenses												
2023	0	0	0	5411	Construction Contracts-Non TCA											
2024	0	0	0		300,000	0	0	0	0	0	0	0	0	0	300,000	
2025	0	0	0	Total	300,000	0	0	0	0	0	0	0	0	0	300,000	
2026	0	0	0	Revenues												
2027	0	0	0	169	Pay As You Go - Capital Reserve											
2028	0	0	0		300,000	0	0	0	0	0	0	0	0	0	300,000	
2029	0	0	0	Total	300,000	0	0	0	0	0	0	0	0	0	300,000	
2030	0	0	0													
2031	0	0	0													
300,000		300,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2022	January 1, 2022	Growth: 100.0 % Maintenance: 0.0 %		Josh Higgins					Ongoing`							



Project Version Summary

Project #	ITC-002-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Technology Infrastructure
Title	Corporate Electronic Storage and Retrieval Systems Upgrades		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>It is becoming more difficult to keep up with the growing storage demands. The corporation needs to expand its current storage capacity, while taking advantage of newer technologies to help improve security, performance and control the increased cost. This requires a state of the art storage that is reliable and expandable. It should include a tiered architecture that allows least referenced material to be allocated to less expensive storage media. New technologies like solid State Disks, deduplication, and compression allow for better performance while built-in drive encryption increases security. It should include the ability to conduct a discovery avoiding the possibility of violating legislative requirements. This is a requirement for freedom of information requests and e-discovery rules for any dispute. Without this project we are not able to provide expected levels of Information Technology (IT) services.</p>	<p>Version Description</p> <p>2022: Investigate new technologies and processes that will help us organize and more effectively manage our data, including the assessment and integration of cloud solutions.</p> <p>2023+: Continue expand storage to meet required growth. Implement tools to help organize data and meet retention requirements. Add security features to reduce data loss and improve privacy and security.</p>
<p>Project Comments/Reference</p> <p>7069900</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	150,000	150,000	0	5411	Construction Contracts-Non TCA										
2023	150,000	150,000	0		150,000	150,000	150,000	100,000	100,000	100,000	125,000	100,000	100,000	125,000	1,200,000
2024	150,000	150,000	0		Total	150,000	150,000	150,000	100,000	100,000	100,000	125,000	100,000	125,000	1,200,000
2025	100,000	100,000	0	Revenues											
2026	100,000	100,000	0	160	Capital Expenditure Reserve										
2027	100,000	100,000	0		150,000	0	150,000	100,000	100,000	50,000	0	0	0	0	550,000
2028	125,000	125,000	0	169	Pay As You Go - Capital Reserve										
2029	100,000	100,000	0		0	90,000	0	0	0	0	50,000	50,000	50,000	75,000	315,000
2030	100,000	100,000	0	221	Service Sustainability Investm										
2031	125,000	125,000	0		0	60,000	0	0	0	50,000	75,000	50,000	50,000	50,000	335,000
	1,200,000	1,200,000	0	Total	150,000	150,000	150,000	100,000	100,000	100,000	125,000	100,000	100,000	125,000	1,200,000
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	75,000	75,000	0												
2008	75,000	75,000	0												
2009	200,000	200,000	0												
2012	150,000	150,000	0												
2014	150,000	150,000	0												
2015	150,000	150,000	0												
2017	100,000	100,000	0												
2018	100,000	100,000	0												
2019	150,000	150,000	0												
2020	150,000	150,000	0												
2021	150,000	150,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Failing to fund the replacement of older storage will result in higher maintenance and repair costs, increase the risk of system failures resulting in lost productivity. Failing to expand the system would also result in the inability to meet regulatory compliance as we would be forced to delete information or potentially lose information assets without the proper backup and recovery capabilities. Failing to upgrade technology would increase the risk of data loss due to malware or other cyber attack.							0	0		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2007	January 1, 2007	Growth: 60.0 % Maintenance: 40.0 %	Earl Larking	Ongoing`											



Project Version Summary

Project #	ITC-003-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Technology Infrastructure
Title	Information Technology Network Infrastructure Improvements		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>This project is critical to the Corporation's Information Technology (I.T.) Infrastructure. It allows Information Technology (I.T.) to make required improvements to the network and server infrastructure and to maintain expected levels of productivity and security, ensuring information availability to City employees and the public. The budget cuts to date severely impact Information Technology's (I.T.) ability to implement new technologies. As such, planned upgrades to the City wide connectivity will be delayed. These affect productivity, the ability to backup data, and implement new applications and services as well as required phone system upgrades and deployment of centralized administration for security cameras. Newer technologies require faster networks and until the network is upgraded we cannot move forward with these other initiatives. This will result in an infrastructure deficit that could reduce levels of availability and have a significant impact on customer service.</p>	<p>Version Description</p> <p>Ongoing maintenance of existing systems and deployment of new technologies is critical to maintaining expected levels of service.</p> <p>2022: Continue to expand Wi-Fi deployment. Expand the controllers and core equipment to support more WiFi Access Points. Management tools are now required for greater visibility and control of the network. Continue with installation of a fibre optic network in coordination with Public Works to improve connectivity to remote sites (currently able to add 1 or 2 sites per year). Increase connectivity in the network core with 10GB switching. Expand our Virtual server and upgrade our Virtual Desktop environment.</p> <p>2023+: Implementation of worldwide adoption of IVP6. Deployment of technologies like encryption, load balancing and intrusion prevention and detection. The replacement of the WLANs (wireless local area networks) may require a large portion of these funds in later years if the PAYG reserve fund cannot adequately cover the replacement costs of the WLANs and if an increase in the PAYG reserve fund does not result. Systematic upgrade and replacement of legacy systems to take advantage of new technology for improved performance and security.</p>
<p>Project Comments/Reference</p> <p>7059903</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	200,000	200,000	0	2951	INTERNAL Service Salary Allocn										
2023	200,000	200,000	0		120,000	120,000	120,000	120,000	120,000	120,000	100,000	100,000	100,000	100,000	1,120,000
2024	200,000	200,000	0	5411	Construction Contracts-Non TCA										
2025	200,000	200,000	0		80,000	80,000	80,000	80,000	80,000	80,000	100,000	100,000	100,000	170,000	950,000
2026	200,000	200,000	0	Total	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	270,000	2,070,000
2027	200,000	200,000	0	Revenues											
2028	200,000	200,000	0	160	Capital Expenditure Reserve										
2029	200,000	200,000	0		0	0	80,000	80,000	80,000	80,000	0	0	0	0	320,000
2030	200,000	200,000	0	169	Pay As You Go - Capital Reserve										
2031	270,000	270,000	0		53,000	80,000	0	0	0	0	100,000	100,000	100,000	170,000	603,000
	2,070,000	2,070,000	0	221	Service Sustainability Investm										
				Total	147,000	120,000	120,000	120,000	120,000	120,000	100,000	100,000	100,000	100,000	1,147,000
				Total	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	270,000	2,070,000
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2009	200,000	200,000	0												
2010	200,000	200,000	0												
2011	200,000	200,000	0												
2012	200,000	200,000	0												
2013	185,000	185,000	0												
2014	215,000	215,000	0												
2015	215,000	215,000	0												
2017	100,000	100,000	0												
2018	200,000	200,000	0												
2019	200,000	200,000	0												
2020	230,000	230,000	0												
2021	250,000	250,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Providing these funds for better IT infrastructure provides for staff efficiencies and improved services to the public, while helping keep our informational assets more secure. Cutting this budget would cause more system maintenance and down time resulting in lost productivity or service to the public. Planned operational efficiencies would be delayed or not realized resulting in higher operational budget costs.							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2007	January 1, 2007	Growth: 40.0 % Maintenance: 60.0 %		Earl Larking				Ongoing							



Project Version Summary

Project #	ITC-005-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Technology Infrastructure
Title	Corporate Data & Network Security Initiatives		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>The security framework methodology implemented through this project is now being used during the implementation of new Information Technology (I.T.) projects and during change management processes to existing applications and services. Ongoing funding is required to ensure new and existing security measures are in place to meet the City's security needs. Without additional funding we limit the ability to conduct thorough assessments and that would leave us deficient in areas where security gaps are identified. This exposes us to increased security breaches, or lacking in the appropriate procedures for new technology implementations, resulting in liability, embarrassment, data loss and unavailable systems. IT security can fall into two broad categories - safeguarding data and protecting systems. As a government organization, the City of Windsor maintains both public and confidential data related to its operations, residents, businesses, and staff, in addition to developing and maintaining hundreds of systems that are critical to the operations of City government and the wellbeing of City residents, business and visitors. There are two factors that have increased the vulnerability level of data and systems, not only at the City of Windsor, but within all organizations:</p> <ol style="list-style-type: none"> 1. Threat Proliferation: World-wide cyber-attacks against individuals, businesses and government organizations continue to grow. There is a common understanding in the IT and cyber security fields that these threats will continue to grow at an exponential rate. The motivation for cyber-attacks can be, financial gain, obtaining confidential information, disrupting operations, jeopardizing public safety, or simply causing embarrassment for the targeted organizations and individuals. 2. Network Proliferation: Also growing at an unprecedented rate is the size and complexity of the corporate network, which significantly increases the City's security risk exposure. The City's network was once limited to computers, printers and servers. With the rapid growth of the "Internet of Things", cloud services, and mobility, what is now connected to the network was unimaginable a few years ago, and the number connections to the network in the coming years will be limitless. <p>While the IT Department has increased security staffing and manages security through shared responsibilities, we require funds for security tools and educational programs to give staff the means to enhance our security profile and reduce the risk of a security incident.</p>	<p>Implementation of risk mitigation strategies as prioritized through the Security Framework Methodology will be conducted from 2020 through 2027 and beyond.</p> <p>2022: Continue to remediate vulnerabilities identified in 2019 security audit. Introduce Managed Security Service Provider technologies. Work with newly established Cyber security insurer to improve Cyber breach response plans. Improve Information Privacy and Data loss through mobile media. Continue to strengthen remote access authentication to help mitigate a potential breach. Continue to provide security training for IT staff and awareness training for all staff around digital security. Increase network monitoring and visibility with state of the art software and security services. Increase the amount archival system event logging for better investigative and auditing. Continue to monitor threat landscape and develop remediation strategies for Cyber Security incidents.</p> <p>2023+: Further fund improving cyber security around new and changing technologies, specifically cloud services and IoT (Internet of Things) deployment.</p>
Project Comments/Reference	Version Comments
7059901	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	300,000	300,000	0	5411	Construction Contracts-Non TCA										
2023	300,000	300,000	0		300,000	300,000	300,000	100,000	100,000	100,000	100,000	100,000	100,000	230,000	1,730,000
2024	300,000	300,000	0		Total	300,000	300,000	300,000	100,000	100,000	100,000	100,000	100,000	230,000	1,730,000
2025	100,000	100,000	0	Revenues											
2026	100,000	100,000	0	160	Capital Expenditure Reserve										
2027	100,000	100,000	0		150,000	150,000	150,000	50,000	50,000	50,000	0	0	0	0	600,000
2028	100,000	100,000	0	169	Pay As You Go - Capital Reserve										
2029	100,000	100,000	0		0	0	0	0	0	0	50,000	50,000	50,000	180,000	330,000
2030	100,000	100,000	0	221	Service Sustainability Investm										
2031	100,000	100,000	0		150,000	150,000	150,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	800,000
	230,000	230,000	0		Total	300,000	300,000	300,000	100,000	100,000	100,000	100,000	100,000	230,000	1,730,000
	1,730,000	1,730,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2008	50,000	50,000	0												
2009	50,000	50,000	0												
2010	50,000	50,000	0												
2011	50,000	50,000	0												
2012	100,000	100,000	0												
2014	175,000	175,000	0												
2015	175,000	175,000	0												
2016	60,000	60,000	0												
2017	100,000	100,000	0												
2018	100,000	100,000	0												
2019	319,000	319,000	0												
2020	329,000	329,000	0												
2021	176,000	176,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Not funding this project increases the probability of a security breach or embarrassment that could increase operational costs							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2007	January 1, 2010	Growth: 50.0 % Maintenance: 50.0 %		Earl Larking				Ongoing`							



Project Version Summary

Project #	ITC-006-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Technology Infrastructure
Title	Information Technology Disaster Recovery Initiatives		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>Capital funding is required for expansion and upkeep of the current data centre as technology changes and the corporate data and Information requirements continue to grow. In order to reduce the impact to Information Technology (I.T.) operations in the event of a major disaster involving the Data Centre, Information Technology (I.T.) will replicate a portion of the facility to an offsite or cloud location. This capital budget is used to reduce the risk of a data loss or service interruptions due to system failures, security breach or other disastrous event.</p>	<p>Version Description</p> <p>2022: Explore options with Windsor Police Service utilized some of their upgraded Jefferson facility.</p> <p>2023+: Continue to scale-out and improve as our environment grows. Continue to utilize cloud services for faster and more cost effective recovery of critical systems in the event of system failures or a disastrous event.</p>
<p>Project Comments/Reference</p> <p>7074016</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	100,000	100,000	0	5411	Construction Contracts-Non TCA										
2023	100,000	100,000	0		100,000	100,000	100,000	100,000	100,000	100,000	150,000	150,000	150,000	300,000	1,350,000
2024	100,000	100,000	0		Total	100,000	100,000	100,000	100,000	100,000	150,000	150,000	150,000	300,000	1,350,000
2025	100,000	100,000	0	Revenues											
2026	100,000	100,000	0	160	Capital Expenditure Reserve										
2027	100,000	100,000	0		50,000	50,000	50,000	50,000	50,000	50,000	75,000	75,000	75,000	0	525,000
2028	150,000	150,000	0	169	Pay As You Go - Capital Reserve										
2029	150,000	150,000	0		0	0	0	0	0	0	0	0	0	200,000	200,000
2030	150,000	150,000	0	221	Service Sustainability Investm										
2031	300,000	300,000	0		50,000	50,000	50,000	50,000	50,000	50,000	75,000	75,000	75,000	100,000	625,000
	1,350,000	1,350,000	0		Total	100,000	100,000	100,000	100,000	100,000	150,000	150,000	150,000	300,000	1,350,000
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	75,000	75,000	0												
2008	150,000	150,000	0												
2009	175,000	175,000	0												
2010	175,000	175,000	0												
2012	75,000	75,000	0												
2013	150,000	150,000	0												
2015	100,000	100,000	0												
2017	100,000	100,000	0												
2018	150,000	150,000	0												
2019	150,000	150,000	0												
2020	100,000	100,000	0												
2021	100,000	100,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	No Operating Budget Impact						0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2007	January 1, 2010	Growth: 50.0 % Maintenance: 50.0 %		Earl Larking				Ongoing`							



Project Version Summary

Project #	ITC-012-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Information Technology
Asset Type	Unassigned	Division	Technology Infrastructure
Title	Corporate Telecommunications		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>Many of our corporate phone systems are out of date and need major upgrades or replacements and we have had some significant outages as a result. Phone system outages have a direct impact on customer service and basic service delivery. This funding will also be used to investigate some of the new features available that could improve overall efficiency of our operations to determine which ones have the greatest potential to provide positive impact to service.</p>	<p>Version Description</p> <p>2022: Upgrade older systems (Public Works and Traffic (McDougall), Arenas, Community Centres). Continue deployment of Unified Communications technologies on the new platform for mobile workers. Investigate E911 solution for our distributed VoIP system.</p> <p>2023+: Systematic replacement of older systems taking advantage of our improved I.T. infrastructure to reduce telecom carrier costs and improve service and reliability. Continue with solution for mobile workers including video conferencing and E911 compliance. Evaluate newer cloud communication services.</p>
<p>Project Comments/Reference</p> <p>7032178</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	300,000	300,000	0	5410	Construction Contracts - TCA										
2023	100,000	100,000	0		300,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,200,000
2024	100,000	100,000	0		Total	300,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,200,000
2025	100,000	100,000	0	Revenues											
2026	100,000	100,000	0	160	Capital Expenditure Reserve										
2027	100,000	100,000	0		150,000	50,000	50,000	50,000	50,000	50,000	0	0	0	0	400,000
2028	100,000	100,000	0	169	Pay As You Go - Capital Reserve										
2029	100,000	100,000	0		0	0	0	0	0	0	50,000	50,000	50,000	50,000	200,000
2030	100,000	100,000	0	221	Service Sustainability Investm										
2031	100,000	100,000	0		150,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	600,000
	1,200,000	1,200,000	0	Total	300,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,200,000
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	100,000	100,000	0												
2008	100,000	100,000	0												
2009	100,000	100,000	0												
2010	250,000	250,000	0												
2011	100,000	100,000	0												
2012	100,000	100,000	0												
2015	200,000	200,000	0												
2016	200,000	200,000	0												
2017	200,000	200,000	0												
2018	200,000	200,000	0												
2019	150,000	150,000	0												
2020	200,000	200,000	0												
2021	200,000	200,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Replacing the older systems and consolidating telecom circuits maintains telecom services and allows for potential future reductions in annual telecom circuit fees.							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2007	January 1, 2010	Growth: 50.0 % Maintenance: 50.0 %		Earl Larking				Ongoing`							



Project Version Summary

Project #	PBG-001-14	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Administration - Planning
Title	Alley Closing Subsidy Pilot Program		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
B26/2019 - C 39/2019 - 2021 Capital Budget includes \$40,000 starting in 2022 for Regular Alley Closing Program																
Project Comments/Reference				Version Comments												
7145002																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	40,000	40,000	0	5410	Construction Contracts - TCA											
2023	40,000	40,000	0		40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	360,000	
2024	40,000	40,000	0		Total	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	360,000	
2025	40,000	40,000	0	Revenues												
2026	40,000	40,000	0	169	Pay As You Go - Capital Reserve											
2027	40,000	40,000	0		40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	360,000	
2028	40,000	40,000	0		Total	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	0	360,000	
2029	40,000	40,000	0													
2030	40,000	40,000	0													
2031	0	0	0													
	360,000	360,000	0													
Historical Approved Budget																
				Year	Total Expense	Net City Cost	Subsidies									
				2018	790,000	790,000	0									
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date								
2014	January 2, 2014	Growth: 100.0 % Maintenance: 0.0 %						2018`								



Project Version Summary

Project #	PBG-003-18	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Administration - Planning
Title	Annexed Lands Growth/Development - Stormwater Financing Study		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description				Version Description												
Work/studies surrounding the growth and development of the annexed lands along with a study on the storm water levy review.				<ul style="list-style-type: none"> - Immediate review of Development Charges for the East Pelton area - Growth Management study to explore land use and development of the annexed lands - Related studies for infrastructure and transportation needs - Further Dev. Chg. review of the current charges once all studies are complete in order for development of future charges/funding models related to the annexed lands 												
Project Comments/Reference				Version Comments												
7181013				COMMITMENT: CR356/2018 - C 96/2018: 2022 F169 \$300,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	670,000	670,000	0	5410 Construction Contracts - TCA												
2023	0	0	0	670,000 0 0 0 0 0 0 0 0 0 0 0 0 670,000												
2024	0	0	0	Total 670,000 0 0 0 0 0 0 0 0 0 0 0 0 670,000												
2025	0	0	0	Revenues												
2026	0	0	0	169 Pay As You Go - Capital Reserve												
2027	0	0	0	370,000 0 0 0 0 0 0 0 0 0 0 0 0 370,000												
2028	0	0	0	169CF Committed Funding												
2029	0	0	0	300,000 0 0 0 0 0 0 0 0 0 0 0 0 300,000												
2030	0	0	0	Total 670,000 0 0 0 0 0 0 0 0 0 0 0 0 670,000												
2031	0	0	0													
670,000				670,000												
0				0												
Historical Approved Budget																
				Revenue												
Year	Total Expense	Net City Cost	Subsidies													
2018	150,000	150,000	0													
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date								
2018	May 1, 2018	Growth: 100.0 % Maintenance: 0.0 %	Thom Hunt					TBD`								



Project Version Summary

Project #	PBG-001-18	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Policy & Design
Title	Official Plan Review		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description											
Funding will be required to conduct the next review of the city's Official Plan. The review is a requirement of the Ontario Planning Act and provides the opportunity for a comprehensive updating of the plans policies and schedules. The review is prescribed to ensure consistency with the Provincial Policy Statement and to also recognize local economic conditions and land use requirements.				Official Plan Review The Official Plan Review is a mandatory review that is conducted every 5 years. The next review is slated for 2022, 2027 and 2032.											
Project Comments/Reference				Version Comments											
Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	2950	Other Prof Services-External										
2023	0	0	0		0	0	0	0	550,000	0	0	0	300,000	200,000	1,050,000
2024	0	0	0	Total	0	0	0	0	550,000	0	0	0	300,000	200,000	1,050,000
2025	0	0	0	Revenues											
2026	550,000	550,000	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		0	0	0	0	550,000	0	0	0	300,000	200,000	1,050,000
2028	0	0	0	Total	0	0	0	0	550,000	0	0	0	300,000	200,000	1,050,000
2029	0	0	0												
2030	300,000	300,000	0												
2031	200,000	200,000	0												
	1,050,000	1,050,000	0												
Historical Approved Budget				Operating Budget Impact											
Related Projects															
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2018	January 1, 2024	Growth: 0.0 % Maintenance: 0.0 %		Michael Cooke					2024+						



Project Version Summary

Project #	PBG-002-18	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Policy & Design
Title	Comprehensive Zoning B-Law		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description											
The Official Plan provides guidance for the physical development of the City of Windsor over a 20-year period. The policies of the plan are intended to ensure that efficient land use and development patterns support sustainability by promoting strong, liveable, healthy and resilient communities, protecting the environment and public health and safety, and facilitating economic growth. Under the provisions of the Planning Act, official plans are required to be reviewed at least once every ten years. This review ensures the plan remains relevant to the changing circumstances within Windsor and to current provincial legislation and policy. It is proposed that this review will be consultant led.				Comprehensive Zoning By-Law											
Project Comments/Reference				Version Comments											
7092002															
Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	250,000	250,000	0	2950	Other Prof Services-External										
2023	0	0	0		250,000	0	0	0	0	0	0	350,000	100,000	0	700,000
2024	0	0	0		Total	250,000	0	0	0	0	0	350,000	100,000	0	700,000
2025	0	0	0	Revenues											
2026	0	0	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		250,000	0	0	0	0	0	0	350,000	100,000	0	700,000
2028	0	0	0		Total	250,000	0	0	0	0	0	350,000	100,000	0	700,000
2029	350,000	350,000	0												
2030	100,000	100,000	0												
2031	0	0	0												
	700,000	700,000	0												
Historical Approved Budget															
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2018	January 1, 2022	Growth: 100.0 % Maintenance: 0.0 %		Neil Robertson					Ongoing						



Project Version Summary

Project #	PLN-007-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Policy & Design
Title	Growth Management Plan Review and Implementation		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
In accordance with the Environmental Master Plan , Corporate Climate Action Plan and the Windsor Community Energy Plan , City Planning staff will lead a multi-departmental/agency process to produce this plan integrating land use, services, active transportation and open space. The plan will include strategies to increase sustainability by facilitating developments with a high environmental benefit with examples that include reducing the negative effects of climate change	2019: Commenced review of opportunities for improvement to quality of life and environmental sustainability (consultant hired to identify best practices and conduct needed research including public surveys - \$100,000 2026+: Develop policy and implement recommendations from consultant's research and report - \$100,000

Project Comments/Reference	Version Comments
7191013	

Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Expenses												
		Net City Cost	Subsidies	5410	Construction Contracts - TCA											
2022	0	0	0		0	0	0	0	0	0	0	100,000	0	200,000	300,000	
2023	0	0	0		0	0	0	0	0	0	0	100,000	0	200,000	300,000	
2024	0	0	0		0	0	0	0	0	0	0	100,000	0	200,000	300,000	
2025	0	0	0		0	0	0	0	0	0	0	100,000	0	200,000	300,000	
2026	0	0	0		0	0	0	0	0	0	0	100,000	0	200,000	300,000	
2027	0	0	0		0	0	0	0	0	0	0	100,000	0	200,000	300,000	
2028	0	0	0		0	0	0	0	0	0	0	100,000	0	200,000	300,000	
2029	100,000	100,000	0		0	0	0	0	0	0	0	100,000	0	200,000	300,000	
2030	0	0	0		0	0	0	0	0	0	0	100,000	0	200,000	300,000	
2031	200,000	200,000	0		0	0	0	0	0	0	0	100,000	0	200,000	300,000	
	300,000	300,000	0													

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2019	100,000	100,000	0

Related Projects				Operating Budget Impact			
				Effective Date	Description	Exp/(Rev)	FTE Impact
				Unknown	No Operating Budget Impact	0	0

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
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2007	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Michael Cooke	2024+
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Project Version Summary

Project #	PLN-008-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Policy & Design
Title	"Green Windsor" Protection and Funding Strategy		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
As part of implementing the Green Windsor strategy of the Environmental Master Plan and Official Plan, City Planning staff will develop with regional partners a strategy to assemble green system components. The project will focus on the creation of a connected linear park system in adherence with the 2016 Parks Master Plan to meet rising public demand for healthy recreational opportunities while offering the added benefit of increasing property assessment values.. Further more, these linear parks can incorporate new storm water management facilities and active transportation opportunities that together may reduce the negative impacts of climate change and also help to alleviate basement flooding. Cost sharing with regional partners will be required.	As part of implementing the Green Windsor strategy of the Environmental Master Plan and Official Plan, City Planning staff will develop with regional partners a strategy to assemble green system components. The project will focus on the creation of a connected linear park system in adherence with the 2016 Parks Master Plan to meet rising public demand for healthy recreational opportunities while offering the added benefit of increasing property assessment values. Furthermore, these linear parks can incorporate new storm water management facilities and active transportation opportunities that together may reduce the negative impacts of climate change and also help to alleviate basement flooding. Cost sharing with regional partners and senior levels of government will be utilized.

Project Comments/Reference	Version Comments
7191014	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	0	0	0		0	0	0	0	100,000	0	0	0	0	0	100,000
2024	0	0	0		Total										
2025	0	0	0		0	0	0	0	100,000	0	0	0	0	0	100,000
2026	100,000	100,000	0	Revenues											
2027	0	0	0	169	Pay As You Go - Capital Reserve										
2028	0	0	0		0	0	0	0	100,000	0	0	0	0	0	100,000
2029	0	0	0		Total										
2030	0	0	0		0	0	0	0	100,000	0	0	0	0	0	100,000
2031	0	0	0		0	0	0	0	100,000	0	0	0	0	0	100,000
	100,000	100,000	0												

Historical Approved Budget			
		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2019	80,000	80,000	0

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2007	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Michael Cooke	2019 and Beyond	0	0
					0	0



Project Version Summary

Project #	PLN-010-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Policy & Design
Title	Heritage Preservation Study and Identification of Incentives		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Planning staff will work with a consultant in the preparation of a study that analyzes best practices/opportunities/implications and recommends how the City can best assist the owners of properties designated under the Ontario Heritage Act to preserve them, followed by a forecast for funding any incentives approved by City Council. The study will also evaluate options regarding the reuse of vacant and/or underutilized heritage properties.				The Walkerville area contains approximately 37% of all properties on the Windsor Municipal Heritage Register. City Council has approved in principle the commencement of the Walkerville heritage study. It is important to maintain the 2021 forecast of \$435,000 for this project as it will be required to support the findings and strategies that will come with the completion of the heritage study in 2020.												
Project Comments/Reference				Version Comments												
7141014																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Expenses												
		Net City Cost	Subsidies													
2022	0	0	0	2950	Other Prof Services-External											
2023	0	0	0		0	0	0	0	0	0	0	0	0	159,000	159,000	
2024	0	0	0	Total	0	0	0	0	0	0	0	0	0	159,000	159,000	
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		0	0	0	0	0	0	0	0	0	159,000	159,000	
2028	0	0	0	Total	0	0	0	0	0	0	0	0	0	159,000	159,000	
2029	0	0	0													
2030	0	0	0													
2031	159,000	159,000	0													
	159,000	159,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2014	50,000	0	50,000													
2021	435,000	435,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	No Operating Budget Impact							0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							

2007	January 1, 2021	Growth: 0.0 % Maintenance: 0.0 %	Michael Cooke	2021`
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Project Version Summary

Project #	ECB-042-18	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Urban Design
Title	Theme Districting - Downtown, Sandwich, Walkerville, Riverside, Ford City, Asian Town		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.	Phase 1 - theme districting is intended to re-shape the public realm at key destination points in the City in order to maximize shared community values. Theme districting will pay particular attention to the physical, cultural and social identities that define a place and support its ongoing evolution. The phased project will identify the different districts within the City and provide physical improvements and theme elements that will make the area a more enjoyable place to live, work or visit thereby creating a destination environment that is inviting and authentic. Theme districting will include significant consultations with the surrounding neighbourhoods and area merchants as to capitalize on local ideas, inspirations and potential that will result in the creation of unique public realm spaces. The first phase will involve theming surrounding the Walkerville Distillery District. Public consultations were initiated in the Spring of 2018 for determination as to which elements shall be included with implementation to follow - \$1,405,000. Phase 2 - Proceeding with further theming in the remaining districts. At this time, prioritization of theming installation for districts has not been defined. Public consultations for the next theme district will be initiated in late 2018 for determination as to which elements shall be included with implementation to follow - \$3,595,000.

Project Comments/Reference	Version Comments
7186001- Theme Districting 7211016- Hiram Walker Parkette	COMMITMENT: CR123/2018 C 20/2018: 2022 F169 \$300,000. PLACEHOLDER: B56/2017 C 217/2016: 2021 F169 \$250,000 B73/2018 C 202/2018: 2023 F169 \$3,595,000

Project Forecast	Project Detailed Forecast																																																																																																																																						
<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr><td>2022</td><td>300,000</td><td>300,000</td><td>0</td></tr> <tr><td>2023</td><td>3,595,000</td><td>3,595,000</td><td>0</td></tr> <tr><td>2024</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2025</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2026</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2027</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2028</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2029</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2030</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2031</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>Total</td><td>3,895,000</td><td>3,895,000</td><td>0</td></tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2022	300,000	300,000	0	2023	3,595,000	3,595,000	0	2024	0	0	0	2025	0	0	0	2026	0	0	0	2027	0	0	0	2028	0	0	0	2029	0	0	0	2030	0	0	0	2031	0	0	0	Total	3,895,000	3,895,000	0	<table border="1"> <thead> <tr> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="12">Expenses</td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td>300,000</td> <td>3,595,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>3,895,000</td> </tr> <tr> <td>Total</td> <td>300,000</td> <td>3,595,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>3,895,000</td> </tr> <tr> <td colspan="12">Revenues</td> </tr> <tr> <td>169CF Committed Funding</td> <td>300,000</td> <td>3,595,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>3,895,000</td> </tr> <tr> <td>Total</td> <td>300,000</td> <td>3,595,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>3,895,000</td> </tr> </tbody> </table>	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Expenses												5410 Construction Contracts - TCA	300,000	3,595,000	0	0	0	0	0	0	0	0	3,895,000	Total	300,000	3,595,000	0	0	0	0	0	0	0	0	3,895,000	Revenues												169CF Committed Funding	300,000	3,595,000	0	0	0	0	0	0	0	0	3,895,000	Total	300,000	3,595,000	0	0	0	0	0	0	0	0	3,895,000
Year			Total Expense	Revenue																																																																																																																																			
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Historical Approved Budget																			
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Year			Total Expense	Revenue															
	Net City Cost	Subsidies																	
2019	175,000	175,000	0																
2020	234,000	234,000	0																
2021	946,000	946,000	0																

Related Projects			Operating Budget Impact	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2018	March 1, 2018	Growth: 100.0 % Maintenance: 0.0 %	Neil Robertson	TBD`



Project Version Summary

Project #	PBG-001-21	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Urban Design
Title	Affordable Housing Community Improvement Plan Incentives		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description											
This funding is for the financial incentive programs that will be developed as part of the affordable Housing CIP.				<p>On August 24, 2020, Council directed staff to begin the process for the creation of an Affordable Housing Community Improvement Plan (CR425/2020 DHSC 179). The Affordable Housing Community Improvement Plan (CIP) was directed in response to a Council Question and was not part of the departmental work plan. The creation of the CIP will be funded from an existing fund for development of such plans.</p> <p>Based on high-level estimates, this will cost approximately a total of \$900,000. This amount is based on an average of \$3,000 per unit in incentives with a target of 300 units over 10 years. Implementation will be undertaken on a priority basis as funding and resources allow.</p>											
Project Comments/Reference				Version Comments											
Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	0	0	0		0	0	0	0	0	0	0	250,000	0	0	250,000
2024	0	0	0	Total	0	0	0	0	0	0	0	250,000	0	0	250,000
2025	0	0	0	Revenues											
2026	0	0	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		0	0	0	0	0	0	0	250,000	0	0	250,000
2028	0	0	0	Total	0	0	0	0	0	0	0	250,000	0	0	250,000
2029	250,000	250,000	0												
2030	0	0	0												
2031	0	0	0												
	250,000	250,000	0												
Historical Approved Budget				Operating Budget Impact											
Related Projects															
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2021		Growth: 0.0 % Maintenance: 0.0 %		Neil Robertson											



Project Version Summary

Project #	PBG-002-21	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Urban Design
Title	University Avenue West/Wyandotte St West CIP Incentives		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	Ward 2, Ward 3		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																																									
				<p>On November 18, 2019, Council directed staff to begin the process for the creation of a Community Improvement Plan (CIP) for the University Ave./Wyandotte St W. corridors (CR561/2019). The University Ave./Wyandotte St W. Community Improvement Plan (CIP) was directed in response to a Council Question and was not part of the departmental work plan. The creation the CIP will be funded from an existing fund for development of such plans.</p> <p>This funding request is for the financial incentive programs that will be developed as part of the CIP. Based on high-level estimates, this will cost approximately a total of \$550,000. This amount is based on an average of \$50,000 for medium size development project (7 projects) + \$60,000 for facades (10 @\$20,000). Implementation will be undertaken on a priority basis as funding and resources allow.</p>																																																																																																																																																																																																																																									
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2021		Growth: 0.0 % Maintenance: 0.0 %		Neil Robertson																																																																																																																																																																																																																																									



Project Version Summary

Project #	PBG-003-21	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Urban Design
Title	Ford City CIP		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	Ward 5		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																																					
Provides funding for the Ford City District CIP incentive programs.				<p>Since 2019, Council has approved eight (8) applications for financial incentives in Ford City. There are currently six (6) pending grant applications that will draw from the current balance of \$148,305.</p> <p>This funding request is to replenish the existing financial incentive programs that are offered by the CIP.</p> <p>The Ford City Community Improvement Plan was approved in 2018 (CR625/2018), at which time Council transferred \$250,000 from the Brownfield Redevelopment Strategy and CIP account for the purposes of providing initial funding for the Ford City CIP financial incentive programs.</p>																																																																																																																																																																																																																																					
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2021		Growth: 0.0 % Maintenance: 0.0 %	Neil Robertson																																																																																																																																																																																																																																						



Project Version Summary

Project #	PBG-004-21	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Urban Design
Title	Sandwich Community Development Plan		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	Ward 2		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																														
				<p>The Sandwich CIP was adopted by City Council on January 26, 2009 with the financial incentive programs being made available on June 17, 2013. Since then, fifteen (15) Economic Incentive Applications have been approved by City Council, with nine of these coming since 2019.</p> <p>Additional, Council directed an update for the Sandwich CIP as a result of the CQ28-2018 response (CR504/2019). Two things were highlighted in that report: 1) that there will likely be additional financial incentive programs developed; and, 2) that based on the most recent trend in new applications, it is likely the Planning Department will need to request additional funds as part of the 2021 capital budget.</p> <p>The current uncommitted balance is \$112,000, which should be sufficient for 2021. This funding request is to replenish the existing financial incentive programs that are offered by the CIP.</p>																																																																																																																																																														
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2021		Growth: 0.0 % Maintenance: 0.0 %	Neil Robertson																																																																																																																																																															



Project Version Summary

Project #	PLN-005-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Urban Design
Title	Planning & Building E-Plan & E-Permit Review and Implementation		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
Implement an e-plan and e-permit Customer Resource Management System for plan submission, review and approval processes for Planning and Building Services. The implementation of these processes is consistent with and supports many of the recommendations contained in the Planning Business Process Review and specifically the Business Process Improvements related to improved customer service and communication which can be supported by technological change.	In 2018, City Council approved a contract with Evolta Canada Inc. for implementation of an e-permitting solution to coincide with the opening of the "One Stop" Service desk in the new City Hall. Implementation commenced in August 2018 to handle Site Plan Control applications and Building Permit applications, the two largest volume activity areas to benefit from the software solution. Then Planning and Building will gradually implement other types of applications received by the Department that are value added over the interim. A comprehensive solution is being delivered for e-permitting including Plan Submission, Permitting, Plan Review, Inspection, and Transaction Software. Conduct a trial (i.e. proof of concept & pilot project) of the proposed solution with the Site Plan Control staff and Building Permits staff. A pre-commitment against the funds for years 2019 to 2020 was approved.

Project Comments/Reference	Version Comments
7171028	

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	0	0	0	5410	Construction Contracts - TCA											
2023	0	0	0		0	0	28,140	0	0	0	0	0	0	0	28,140	
2024	28,140	28,140	0	Total	0	0	28,140	0	0	0	0	0	0	0	28,140	
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		0	0	28,140	0	0	0	0	0	0	0	28,140	
2028	0	0	0	Total	0	0	28,140	0	0	0	0	0	0	0	28,140	
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	28,140	28,140	0													

Historical Approved Budget			
		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2017	88,000	88,000	0
2018	210,000	210,000	0
2019	323,000	323,000	0
2020	1,717,000	1,717,000	0

Related Projects		Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2007	January 1, 2017	Growth: 0.0 % Maintenance: 0.0 %	John Revell/Neil Robertson	TBD`



Project Version Summary

Project #	PLN-012-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Urban Design
Title	City Centre Community Development Plan		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description	Version Description
The program's aim is to maximize a positive investment climate for diverse land uses downtown. The project developed and will implement the recommendations included the Downtown Windsor Community Improvement Plan. The Community Improvement Plan offers financial incentives to encourage private sector investment.	<p>On October 16, 2017, Council adopted the Downtown Windsor Enhancement Strategy and Community Improvement Plan (Downtown CIP). The financial incentives included in the CIP have been available for 3 years come November 14, 2020. There have been twenty (20) financial incentive applications approved under the CIP, with 17 of them accessing the original \$724,000 that was budgeted or transferred in from council approved sources and made available to fund the incentive programs. Three additional applications took advantage of the tax increment funding program exclusively.</p> <p>Additionally, Council approved a new program offered under the Downtown CIP on July 13, 2020 (CR346/2020 DHSC 170). The new program will be modelled after the residential grant program included in the Ford City CIP.</p> <p>This current funding request is to replenish the existing financial incentive programs offered by the CIP.</p> <p>Further future funding requests may be tabled as well as a program continuation review should the existing balance dwindle.</p>

Project Comments/Reference	Version Comments
7011022	

Project Forecast	Project Detailed Forecast																																																																																																																																																		
<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr><td>2022</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2023</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2024</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2025</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2026</td><td>500,000</td><td>500,000</td><td>0</td></tr> <tr><td>2027</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2028</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2029</td><td>415,000</td><td>415,000</td><td>0</td></tr> <tr><td>2030</td><td>250,000</td><td>250,000</td><td>0</td></tr> <tr><td>2031</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>Total</td><td>1,165,000</td><td>1,165,000</td><td>0</td></tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2022	0	0	0	2023	0	0	0	2024	0	0	0	2025	0	0	0	2026	500,000	500,000	0	2027	0	0	0	2028	0	0	0	2029	415,000	415,000	0	2030	250,000	250,000	0	2031	0	0	0	Total	1,165,000	1,165,000	0	<table border="1"> <thead> <tr> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="12">Expenses</td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>500,000</td> <td>0</td> <td>0</td> <td>415,000</td> <td>250,000</td> <td>0</td> <td>1,165,000</td> </tr> <tr> <td>Total</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>500,000</td> <td>0</td> <td>0</td> <td>415,000</td> <td>250,000</td> <td>0</td> <td>1,165,000</td> </tr> <tr> <td colspan="12">Revenues</td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>415,000</td> <td>250,000</td> <td>0</td> <td>665,000</td> </tr> <tr> <td>221 Service Sustainability Investm</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>500,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>500,000</td> </tr> <tr> <td>Total</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>500,000</td> <td>0</td> <td>0</td> <td>415,000</td> <td>250,000</td> <td>0</td> <td>1,165,000</td> </tr> </tbody> </table>	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Expenses												5410 Construction Contracts - TCA	0	0	0	0	500,000	0	0	415,000	250,000	0	1,165,000	Total	0	0	0	0	500,000	0	0	415,000	250,000	0	1,165,000	Revenues												169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	415,000	250,000	0	665,000	221 Service Sustainability Investm	0	0	0	0	500,000	0	0	0	0	0	500,000	Total	0	0	0	0	500,000	0	0	415,000	250,000	0	1,165,000
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2024	0	0	0																																																																																																																																																
2025	0	0	0																																																																																																																																																
2026	500,000	500,000	0																																																																																																																																																
2027	0	0	0																																																																																																																																																
2028	0	0	0																																																																																																																																																
2029	415,000	415,000	0																																																																																																																																																
2030	250,000	250,000	0																																																																																																																																																
2031	0	0	0																																																																																																																																																
Total	1,165,000	1,165,000	0																																																																																																																																																
GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total																																																																																																																																								
Expenses																																																																																																																																																			
5410 Construction Contracts - TCA	0	0	0	0	500,000	0	0	415,000	250,000	0	1,165,000																																																																																																																																								
Total	0	0	0	0	500,000	0	0	415,000	250,000	0	1,165,000																																																																																																																																								
Revenues																																																																																																																																																			
169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	415,000	250,000	0	665,000																																																																																																																																								
221 Service Sustainability Investm	0	0	0	0	500,000	0	0	0	0	0	500,000																																																																																																																																								
Total	0	0	0	0	500,000	0	0	415,000	250,000	0	1,165,000																																																																																																																																								

Historical Approved Budget															
<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr><td>2009</td><td>280,000</td><td>280,000</td><td>0</td></tr> <tr><td>2010</td><td>200,000</td><td>200,000</td><td>0</td></tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2009	280,000	280,000	0	2010	200,000	200,000	0	
Year			Total Expense	Revenue											
	Net City Cost	Subsidies													
2009	280,000	280,000	0												
2010	200,000	200,000	0												

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2007	January 1, 2024	Growth: 0.0 % Maintenance: 0.0 %	Neil Robertson	2024 and Beyond	0	0
					0	0



Project Version Summary

Project #	PLN-018-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Urban Design
Title	Neighbourhood Studies and Design Guidelines		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Funds to be used to study and implement design standards and physical features/amenities that contribute to a higher quality of life in local neighbourhoods and to address some of the more pressing planning/development related challenges facing Windsor. Past funding has been used to complete the production of Riverside Drive Vista Improvement Streetscape guidelines per CR364/2009 and the Ford City Community Improvement Plan. Complementary to the Site Plan Review Manual, the preparation of development guidelines for different areas of the City began in 2015.</p>	<p>Current and future funds will be used for the following projects:</p> <ol style="list-style-type: none"> 1) Business Improvement Areas Community Improvement Plan; 2) The University Ave/Wyandotte St W. Community Improvement Plan; 3) Prepare Design Guidelines for Infill Development; 4) Comprehensive Sign Bylaw Review; 5) Prepare Community Improvement Plans for targeted neighbourhoods; 6) Develop & adopt Design Guidelines & Standards for Civic Ways & Theme Streets; 7) Develop City of Windsor Urban Design Manual; and 8) Prepare targeted area Design Guidelines. <p>Additional funding is being requested to ensure that the fund has enough to address the unanticipated planning studies/projects that often come about as new issues and challenges arise. The Affordable Housing and University Ave/Wyandotte St W. CIPs are a couple of examples that Council has prioritized in the past couple of years. This fund is the funding source for the development of the CIPs.</p>
Project Comments/Reference	Version Comments
7045003	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	2950	Other Prof Services-External										
2023	0	0	0		0	0	0	0	0	0	0	0	0	250,000	250,000
2024	0	0	0	Total	0	0	0	0	0	0	0	0	0	250,000	250,000
2025	0	0	0	Revenues											
2026	0	0	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		0	0	0	0	0	0	0	0	0	250,000	250,000
2028	0	0	0	Total	0	0	0	0	0	0	0	0	0	250,000	250,000
2029	0	0	0												
2030	0	0	0												
2031	250,000	250,000	0												
250,000		250,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	85,000	85,000	0												
2014	130,000	130,000	0												
2019	100,000	100,000	0												
2020	100,000	100,000	0												
2021	25,000	25,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	No Operating budget Impact							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2007	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %		Neil Robertson				2021`							



Project Version Summary

Project #	PLN-021-07	Service Area	Economic Development & Innovation
Budget Year	2022	Department	Planning & Development
Asset Type	Unassigned	Division	Urban Design
Title	City Hall Square and Civic Esplanade		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 3		
Version Name	Main (Active)		

<p>Project Description</p> <p>Funds to be used for capital investments relating to the design, implementation and construction of the Civic Square Campus area (including the Civic Square Campus, Charles Clark Square and the Civic Esplanade) consistent with the Civic Square Campus Conceptual Site Plan that was approved in principle (CR162/2014) for the purposes of providing a definable direction for the ongoing development of the Civic Square Campus and surrounding areas.</p> <p>The current funds budgeted are for the post-demolition restoration and minimal enhancement (+/- 65% hardscape) of the former City Hall site to standard that is consistent and compatible with the current design and features of the surrounding Civic Square Campus. A higher standard of design, and additional amenities and features will require funding beyond the amounts currently provided.</p>	<p>Version Description</p> <p>To coincide with the demolition of the old City Hall, additional capital investment is recommended to design/install/construct features in the Civic Square Campus area. The current funds budgeted are for the post-demolition restoration and minimal enhancement of the former City Hall site with additional amenities and features requiring additional funding beyond the amounts currently provided.</p> <p>NOTE: Funds in the amount of \$2,522,000 (\$600,000 in 2017 currently available from PYG reserve, \$1,172,000 in 2020 and \$750,000 in 2021) formerly earmarked as a placeholder for the Riverside Pedestrian Tunnel are recommended to be redirected to the Civic Esplanade project. Future funds may still be required depending on the amenities that Council approves to be included once the consultation process has been completed.</p> <p>2019 – Hire an external consultant to facilitate the consultation process, prepare a design that incorporates the desired amenities and features, and provide detailed cost estimates for the Civic Square redevelopment that is envisioned. One of the first tasks for the consultant will be to engage Council, staff and the public about the possible amenities and features of the Civic Square Campus (i.e. Civic Square, Charles Clark Square, and the Civic Esplanade), followed by a thorough vetting and costing of the desired amenities and features. The outcome of this consultant’s study will include a master plan for the entire Civic Square Campus, possible construction phasing, and cost estimates that will be used for future budgetary requests.</p>
<p>Project Comments/Reference</p> <p>(7033086, 7161040 Closed) 7204004</p>	<p>Version Comments</p> <p>COMMITMENTS: CR170/2021 - IN-CAMERA: 2022 F169 \$442,000</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	1,085,000	1,085,000	0	5410	Construction Contracts - TCA										
2023	915,000	915,000	0		1,085,000	915,000	200,000	200,000	627,000	200,000	0	0	0	0	3,227,000
2024	200,000	200,000	0		Total	1,085,000	915,000	200,000	200,000	627,000	200,000	0	0	0	3,227,000
2025	200,000	200,000	0			0									
2026	627,000	627,000	0	Revenues											
2027	200,000	200,000	0	169	Pay As You Go - Capital Reserve										
2028	0	0	0		358,000	0	0	200,000	627,000	0	0	0	0	0	1,185,000
2029	0	0	0	169CF	Committed Funding										
2030	0	0	0		442,000	0	0	0	0	0	0	0	0	0	442,000
2031	0	0	0	221	Service Sustainability Investm										
					285,000	915,000	200,000	0	0	200,000	0	0	0	0	1,600,000
	3,227,000	3,227,000	0	221CF	Committed Funding										
					0	0	0	0	0	0	0	0	0	0	0
					Total	1,085,000	915,000	200,000	200,000	627,000	200,000	0	0	0	3,227,000
						0									
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2009	65,000	65,000	0												
2010	100,000	100,000	0												
2016	150,000	150,000	0												
2019	187,000	187,000	0												
2021	1,050,000	1,050,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Upon completion of the project, operating impact is undetermined but expected to be negligible or limited and dependent upon minor repairs resulting from instances such as vandalism, weather impacts such as snow clearing and miscellaneous such as periodic emptying of trash bins and as needed watering of any planters. In other words, a minor extension of that which is already in place for the existing esplanade area.						0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2007	January 1, 2019	Growth: 73.7 % Maintenance: 26.3 %	Neil Robertson	2020+											

2022 Approved Capital Budget



Capital Project Summaries

Human and Health Services



Project Version Summary

Project #	HCS-001-07	Service Area	Human & Health Services
Budget Year	2022	Department	Housing & Children's Services
Asset Type	Unassigned	Division	Housing Services
Title	City Housing Reserve Fund		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Windsor and Essex County Social Housing units represent over 7,900 housing units in the region with an estimated value of \$500 million and yearly operating budgets of \$70 million. These units are a vital and valuable resource to the community. Many of the projects have been part of this community for many years, are aging and require significant renewal.</p> <p>The Social Housing Reserve Fund was established in 2001 using the one-time transfer of \$2.4 million from the Ministry of Municipal Affairs and Housing (MMAH).</p> <p>This fund was established "to cover the risks associated with future increases" in the social housing program. This includes the cost of capital repairs in the housing stock, to offset the impact of underfunded capital reserves, the impact of potential increases in interest rates, the impact of maturing mortgages and the impact of the legislated funding model. In the event that housing providers require emergency repairs and the provider has insufficient funds for the work, the fund can be accessed. This fund will also be accessed to deal with periodic building reviews, capital reserve fund studies and other capital planning activities and housing related initiatives. The current available balance of this fund after Council approved commitments is approximately \$2.134M as at July 31, 2021.</p> <p>In early 2019, as part of the 2018 Year-end Operating Budget Variance Report, Council approved the establishment of a new Reserve Fund entitled the City Housing Reserve Fund. This fund was created to retain 100% City funded contributions for the purposes of funding future Social and Affordable Housing costs. The current available balance at July 31, 2021 is approximately \$2.188 M.</p> <p>Prudent business practice would indicate that the service manager has a duty to ensure that funds are available to deal with both expected and unexpected events that arise within the social housing portfolio. In 2010, a total of \$294,000 (\$200,000 City) was transferred to the Social Housing Reserve fund. All requests for years after 2011 have not been recommended for approval and deferred to future years. The County of Essex would share approx. 35% of capital expenditures incurred based on the current arbitrated weighted assessment formula.</p>	<p>Housing Services is requesting a total allocation of approximately \$3 million net City in the year 2031. In the Finance Review stage the request was approved at \$1,100,000 net City.</p> <p>In 2021, Housing Services requested a total allocation of \$3 million net City in each of the years 2028 to 2030. The approved amount was \$600 K net City for 2028-2030. In 2020, Housing Services requested a total allocation of \$3 million net City in both 2026 and 2027, which were not accepted during the Finance Review stage. In 2019, Housing Services requested a total allocation of approximately \$3.18M Net City in each of 2024 and 2025. During the Finance Review stage this request was not accepted.</p> <p>Prior to 2019, Housing Services was approved in principle for approximately \$1.27M Net City in 2019 and for approximately \$3.18M Net City in each of 2022 and 2023. During the 2019 administrative review stage the 2019 amount was approved at \$1M Net City and the amounts of \$1.25M Net City in each of 2022 and 2023 were approved in principle. County cost sharing will be incurred at the time of expenditure based on the current arbitrated weighted assessment formula.</p> <p>Based on industry and MMAH originally established capital fund allowances, the current reserve fund balance is inadequate. It is expected that the future net capital requirements of the Windsor Essex social housing providers (including CHC) will be in excess of the capital funds currently held by providers. As such, the providers will (and have been) approaching the City for assistance. At present, it is estimated that total capital reserve fund balances held by Windsor Essex providers are approximately \$13M to \$14M. It should be noted that of the 34 housing providers, a number have little or no capital reserve balances and a large number would not have enough funding should a major capital repair be required. The extent of the capital asset repairs will continue to grow and affect overall building condition, poor building conditions lead to increased chances for loss/decommissioning of social housing units and increases the chances the City will not be in a position to meet their provincially mandated rent geared-to-income service level standards.</p> <p>In 2016, new funding programs were announced through MMAH as follows:</p> <ul style="list-style-type: none"> - Social Housing Apartment Retrofit Program (SHARP) - \$ 3.134 million – As part of the Province’s Green Investment Fund (GIF) this funding supported retrofits in social housing high-rise apartment building of 150 units or more. Two social housing providers received SHARP funding (energy efficiency). Total units impacted by SHARP funding (buildings of 150 units or more) was 1444. -Social Housing Infrastructure Program (SHIP) - \$6.7 million - This funding assisted in the repair and retrofit of existing social housing stock to address capital needs, improve energy efficiency and reduce greenhouse gas emissions. Provider requests for this funding in 2016 from all Social Housing providers in Windsor/Essex (including CHC) exceeded \$ 21.1 million. Twenty-nine social housing providers received SHIP funding. <p>The recently announced National Housing Strategy (NHS) is a 10-year, \$40 billion plan that sets targets to ensure investments and new programming for Housing programs Canada-wide. The NHS documents indicate the goal of the creation of 100,000 new housing units and the repair or renewal of 300,000 existing housing units.</p> <p>In April 2019, The Province of Ontario released the Community Housing Renewal Strategy (CHRS) a multi-year strategy representing three, three-year phased funding periods that complement the investments of the NHS. In May 2019, the City of Windsor received 3-year allocations under 2 new programs – Ontario Housing Priorities Initiative (OHPI) - \$7.0 M and Canada-Ontario Community Housing Initiative (COCHI) – \$4.4 M. This funding supports investment for repairs to existing social housing stock, new build capital funding to create affordable housing, Ontario Renovates funding to assist low-income homeowners with necessary upgrades and transitional support funding for housing providers based on the needs of the community. Housing Services released a Social Housing Repair Program (OR-SHRP) as well as an RFP for the Rental Housing Component aimed at increasing affordable rental housing through new construction or acquisition and rehab projects with this allocation. The OR-SHRP Program in 2019-2020 and 2020-2021 were released to all eligible Social Housing providers in Windsor Essex including CHC. Allocations were awarded on a priority basis to assist with the most urgent repairs/retrofits in Windsor/Essex. A total allocation of \$2.35 million (2019-2020) has been provided to 26 Housing Providers and \$2.7 million (2020-2021) has been allocated to 21 Housing Providers in Windsor/Essex. Provider requests for this program, as well as previous program releases, are significantly in excess of this senior government funding. Without an ongoing source of funding for capital projects to repair and maintain aging Windsor/Essex social housing infrastructure, providers will have an increasing difficulty in maintaining this much needed community resource.</p> <p>In June 2020, Housing Services released RFP 97-20 Social Housing Business Process and Asset Management Review funded under the COCHI allocation. This RFP was undertaken to hire a consultant to conduct a fulsome review for the federal and social housing providers under the Housing Services Act, 2011, that includes asset management services, including building condition audits and assessments of significant building repairs required in the short, medium and long term. In addition the consultant will be required to undertake a series of operational reviews of the social housing providers that includes governance and succession planning review and analysis. The contract was awarded to Pretium Engineering Inc. This review is currently underway and is scheduled to be completed on or before March 31, 2022 will assist providers with the development of a strategic asset management plan and long-term governance structure in an effort to ensure the long-term sustainability of the affordable housing assets in Windsor Essex.</p>
Project Comments/Reference	Version Comments
<p>7109003 (closed) City Housing Reserve Fund 216</p>	<p>Only the City of Windsor contributes to this project up front. The County of Essex will contribute their share as expenses occur. The Social Housing Reserve fund, at this point, only contains Provincial funds.</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	1,250,000	1,250,000	0	5410	Construction Contracts - TCA											
2023	1,250,000	1,250,000	0		1,250,000	1,250,000	0	0	0	0	600,000	600,000	600,000	3,000,000	7,300,000	
2024	0	0	0		Total	1,250,000	1,250,000	0	0	0	0	600,000	600,000	600,000	3,000,000	7,300,000
2025	0	0	0			0										
2026	0	0	0		Revenues											
2027	0	0	0	169	Pay As You Go - Capital Reserve											
2028	600,000	600,000	0		1,250,000	1,250,000	0	0	0	0	600,000	600,000	600,000	3,000,000	7,300,000	
2029	600,000	600,000	0		Total	1,250,000	1,250,000	0	0	0	0	600,000	600,000	600,000	3,000,000	7,300,000
2030	600,000	600,000	0			0										
2031	3,000,000	3,000,000	0			0										
	7,300,000	7,300,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2010	294,000	200,000	94,000													
2019	1,000,000	1,000,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	No operating budget impact.						0	0				
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2007	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Mike Deimling	Ongoing`												



Project Version Summary

Project #	HCS-001-14	Service Area	Human & Health Services
Budget Year	2022	Department	Housing & Children's Services
Asset Type	Unassigned	Division	Housing Services
Title	Windsor Essex Community Housing Corporation Capital Improvements		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	City Wide		
Version Name	Main (Active)		

Project Description

CHC Repair and Renewal application under the National Housing Strategy Co-Investment Fund through Canada Mortgage and Housing Corporation (CMHC). The National Housing Co-Investment Fund Repair and Renewal Stream is dedicated to the preservation and renewal of the existing community and affordable housing stock. In order to leverage the Federal funding under the Repair and Renewal program projects must have support from another level of government (such as municipalities, Provinces and/or Territories, Indigenous Government) to ensure a coordination of investments.

CHC submitted a 2018 Capital request of approximately \$4.55 million Gross (City, \$3 million) representing capital projects that have been identified in 2018 as “urgent” and “high priority”. The request was approved in principle for the 2021 and 2022 Capital Budget. The County of Essex would share approx. 35% of capital expenditures incurred based on the current arbitrated weighted assessment formula. This approved amount will form part of the City’s contribution to support the application under the Repair and Renewal Stream of funding.

Version Description

In the 2018 budget process, CHC submitted a Capital request for approximately \$4.55 Million Gross (approximately \$3.0 Million City). At the Administrative Review this request was approved in principle for years 2021 and 2022. County cost sharing will be incurred at the time of expenditure based on the current arbitrated weighted assessment formula.

As part of the City of Windsor’s Operating Budget, CHC currently receives approximately \$3.2 million annually for capital projects and infrastructure upgrades for the Public Housing and Non-Profit Family Housing portfolios. CHC’s Public Housing portfolio is aging and requests to the City over the last number of years for additional funding for capital repair purposes have not been approved. In late 2015, CHC engaged a professional engineering firm to undertake a comprehensive assessment of its building conditions through a third party Facility Condition Assessment (FCA). In mid-2017, CHC received a consolidated report summarizing the condition of all assets and an analysis of the unfunded capital liability for capital repairs and maintenance that have been deferred. The report outlined that assuming the current level of capital funding from the City (and County) to CHC there will be an unfunded capital requirement that will reach \$112 million over the next 10 years with an annual funding requirement of \$11,209,000 portfolio wide with \$8.9 million of that amount being attributed to the Public Housing portfolio. CHC’s more recent estimates of the 10-year unfunded capital liability is \$148 million.

CHC has completed Phase 1 of a regeneration study and plan that includes a rationalization of their stock. On June 18th, 2018 a report to Council (In-camera) was tabled that outlines the findings of Phase 1 of this Plan. Funding of \$400,000 from CHC’s existing Operating Budget was approved to undertake Phase 2 of the Regeneration Plan that will look at the execution of this plan including recommendations on how it will be implemented over the next 15 years considering financial and legislative implications, long-term sustainability of the housing stock and operational efficiencies. It is anticipated that a report will be brought to Council on Regeneration Phase 2 in 2022.

CHC requested the approval of a Gross capital allocation of \$11 million in 2024 and \$11 million in 2025. In the Finance review stage, this request was not accepted. This request represents Capital projects identified as a result of the above noted report(s) and the expected identified capital needs for the ten years to 2029. Projected capital needs identified through the Regeneration Plan include projects such as building roof replacements, window and door replacements, kitchen and bathroom renewals, elevator upgrades and capital related expenses throughout the portfolio of 4700 units.

Canada Mortgage and Housing Corporation Repair and Renewal Funding:
The recently announced National Housing Strategy (NHS) is a 10-year, \$40 billion plan that sets targets to ensure investments and new programming for housing programs Canada-wide. The NHS documents indicate the goal of the creation of 100,000 new housing units and the repair or renewal of 300,000 existing housing units. The National Housing Co-Investment Fund has two streams, the New Construction Stream which is for new construction and the Housing Repair and Renewal Stream which is for the preservation and renewal of the existing community and affordable housing. This Capital Project request for funds is to provide the City’s share in the current CHC application under the CMHC - Co-Investment Fund – Repair and Renewal stream. The Federal Government has provided a nationwide financial commitment of \$3.46 billion in loans and \$2.26 billion in capital contributions.

CMHC identified that portfolio wide funding under the Repair and Renewal Funding of the National Housing Co-Investment Fund would assist local housing corporations with ensuring adequate and appropriate condition of the housing stock that meets the needs of tenants that are residing in the units. The Repair and Renewal funding will be provided as a loan and grant combination with the final ratio of loan to grant amounts based on a CMHC scoring grid. Accessing the Repair and Renewal Funding is contingent on CHC achieving social outcomes related to exceeding standard energy efficiency and accessibility requirements. Additional positive outcomes resulting from an allocation of funding under the Repair and Renewal stream include a positive impact in the community related to employment and business opportunities related to the repair work. CHC has developed a proposed action plan to complete the capital repairs and this action plan estimates that a total cost commitment of \$170M would be required over the next seven years.

The CMHC funding contains both a grant and a capital contribution (low-interest loan). This loan would be considered a liability for CHC for the 40-year period. Interest only payments are required over the first 10 years of the agreement, thereafter both interest and principal payments will need to be serviced through CHC’s operating budget. Those payments will be subsidized by the municipality to the extent that it is required under the legislative requirements and not able to be addressed by CHC through anticipated operational efficiencies resulting from the Phase II regeneration efforts and energy savings from the repairs and renovations. It should be noted that the loan would be disclosed within CHC’s annual financial statements and accordingly would also be included on the City’s consolidated financial statements.

In November of 2019 Council report C 173/2019 was forwarded requesting authorization for CHC to execute a Letter of Intent with CMHC with regards to the Repair and Renewal Funding. Council approved the recommendation (CR546/2019) and further directed administration to explore and report back in conjunction with the capital budget all appropriate funding strategies relative to the additional municipal capital contribution (approx. \$3.2M annually) required under this program. CHC is currently working with CMHC and the City to ensure the requirements outlined in the Letter of Intent are completed in a timely manner in order to move forward to the next stage of the funding process. Projects must have support from another level of government (such as municipalities, Provinces and/or Territories, Indigenous Government) to ensure a coordination of investments. CMHC has indicated that the current annual municipal capital contributions that are provided to CHC each year can be included as a municipal contribution. The above noted \$4.5 million gross approved in 2021 Gross \$308,045(City \$202,494) and 2022 Gross \$4,254,188(City \$2,796,500) would also be included as a municipal capital contribution in addition to the \$3.029 Million (\$2 Million) approved in principal for 2025 for an approximate total of \$7.5 million approved in principal between (2021-2025). . CMHC further indicates that to secure the Repair and Renewal funding any and all additional funding sources in excess of the current municipal capital contributions to CHC must be confirmed.

The Letter of Intent, issued by CMHC on August 31, 2020, indicates that up to \$90M in funding is available with 40% (\$36 million) of the funding allocated as a grant and the remaining 60% (\$54 million) issued as a loan.

Based upon council report 191/2020, information was provided to inform council of the projected municipal shortfall in funding of \$47.6 million as follows:

\$	
Total Estimated Costs	\$170,000,000
CMHC Repair & Renewal Funding	(\$90,000,000)
Current Municipal Funding (City/County)	(\$28,800,000)
Funding Shortfall	\$51,200,000
Less: CHC Non-Profit Seniors Capital Contribution	\$3,600,000
Net Shortfall	\$47,600,000

In order to secure the CMHA Repair and Renewal funding CHC requires a future commitment of capital funds that will most likely require an increase or an extension to the proposed annual Asset Management Plan levy which is being considered during the 2021 budget deliberations. Given these estimates and the expectation that current approved funding as well as the CMHC funding would be fully utilized first, the requirement for the additional municipal capital contribution of approximately \$40 million (rounded) (\$26.3 million City share) is generally expected to be required in 2025 and thereafter as follows:

Year	Municipal Share	\$Estimated City share
2025	\$107,629	\$70,750
2026	\$12,565,000	\$8,259,630
2027	\$18,242,629	\$11,991,831
2028	\$9,218,751	\$6,059,966
Total	\$40,134,009	\$26,382,177

The City Cost share of \$26,382,177 noted above was based on the weighted assessment rate at the time of the development of council report 191/2020. Each year, the municipal cost share between City/County will be recalculated based on the current year's arbitrated weighted assessment rate.

In summary, approximately \$7.5 million Gross has been approved in principal in years 2021, 2022 and 2025, based on County weighted assessment. The balance of the required funding (approximately \$40 M) is not currently included within the City's future capital budget plan. On January 18, 2021, a Council report (C 191/2020) entitled "Municipal Funding Requirements for Windsor Essex Community Housing Corporation Capital Projects" was presented to Council to approval the execution of required documents with respect to the CMHC approved Repair and Renewal funding. In the report a recommendation was proposed and approved that refers the additional capital request in the amount of \$40.1 million, to support and complete the Repair and Renewal plan as requested by CHC to the 2023 Capital Budget review and deliberation process. .Council should note that this does not completely address the full extent of the regeneration plan requirements and that further capital requirements will be forthcoming as the CHC regeneration plan is finalized and considered.

The Repair and Renewal Funding is an opportunity for CHC to leverage funding from upper levels of government to ensure adequate and appropriate condition of the housing stock in the housing portfolio and aligns with Goal 5.2 of Home Together, Windsor Essex Housing and Homelessness Plan to regularly monitor the condition of the social housing portfolio and actively pursue funding to assist with energy efficiency and capital repairs..

Project Comments/Reference

7189003(Closed)
7219001

Version Comments

COMMITMENTS:
CR15/2021, C 191/2020: 2022 F169 \$2,796,500 & \$1,439,023 in County Costs, 2025 F169 \$2,000,000 & \$1,030,303 in County Costs

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	7,435,523	4,799,876	2,635,647	4565	Capital Grants										
2023	3,200,000	2,065,706	1,134,294		7,435,523	3,200,000	3,200,000	6,230,303	3,200,000	3,200,000	3,200,000	3,200,000	3,200,000	3,200,000	39,265,826
2024	3,200,000	2,065,706	1,134,294		Total	7,435,523	3,200,000	3,200,000	6,230,303	3,200,000	3,200,000	3,200,000	3,200,000	3,200,000	39,265,826
2025	6,230,303	4,021,866	2,208,437												
2026	3,200,000	2,065,706	1,134,294												
2027	3,200,000	2,065,706	1,134,294												
2028	3,200,000	2,065,706	1,134,294												
2029	3,200,000	2,065,706	1,134,294												
2030	3,200,000	2,065,706	1,134,294												
2031	3,200,000	2,065,706	1,134,294												
	39,265,826	25,347,390	13,918,436												
Historical Approved Budget				Revenues											
Year	Total Expense	Net City Cost	Subsidies	GL Account											
2018	2,252,800	1,500,000	752,800	169	Pay As You Go - Capital Reserve										
2021	3,506,693	2,306,021	1,200,672		0	0	0	0	0	0	0	0	0	0	0
				169CF	Committed Funding										
					2,796,500	0	0	2,000,000	0	0	0	0	0	0	4,796,500
				6340	Net County Cost										
					1,196,624	1,134,294	1,134,294	1,178,134	1,134,294	1,134,294	1,134,294	1,134,294	1,134,294	1,134,294	11,449,110
				6340CF	Committed Funding										
					1,439,023	0	0	1,030,303	0	0	0	0	0	0	2,469,326
				7058	TRANSFER From Reserve Account										
					2,003,376	2,065,706	2,065,706	2,021,866	2,065,706	2,065,706	2,065,706	2,065,706	2,065,706	2,065,706	20,550,890
					Total	7,435,523	3,200,000	3,200,000	6,230,303	3,200,000	3,200,000	3,200,000	3,200,000	3,200,000	39,265,826
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2014	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Mike Deimling/Debbie Cercone	Ongoing`											



Project Version Summary

Project #	HCS-001-22	Service Area	Human & Health Services
Budget Year	2022	Department	Housing & Children's Services
Asset Type	Unassigned	Division	Housing Services
Title	H4 / Emergency Shelter Study		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards			
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																																							
Funds allocated to 2022 to the Homelessness and Housing Help Hub (H4) / Emergency Shelter are for preliminary studies only.																																																																																																																																																																																																																																											
Project Comments/Reference				Version Comments																																																																																																																																																																																																																																							
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2022		Growth: 100.0 % Maintenance: 0.0 %		TBD					TBD`																																																																																																																																																																																																																																		



Project Version Summary

Project #	HLD-001-11	Service Area	Human & Health Services
Budget Year	2022	Department	Huron Lodge
Asset Type	Unassigned	Division	Nursing & Personal Care
Title	Huron Lodge Point of Care Technology Implementation and upgrades including Wireless and Wired Care		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description	Version Description									
<p>-To install wireless technology throughout the home and implement wireless/wired equipment that will facilitate entry of health care data into a clinical health record software and enhance business practices and resident continuity of services.</p> <p>-To achieve this, access points would have to be installed throughout each floor to ensure appropriate wireless coverage based on Information Technology's assessment.</p> <p>-Some additional hardware such as wiring and server for security is required.</p> <p>-Purchase of additional module (point of care-POC) from the clinical software to allow for wireless entry.</p> <p>-Purchase of additional clinical software licenses to allow for more users on the system.</p> <p>-Purchase of wireless and wired computerized equipment for point of care (POC) entry as well as the mounting hardware required.</p>	<p>As part of the agreement for Medical Pharmacies Group to provide pharmacy services at Huron Lodge (CAO#1805, 3808), the proponent will give an annual life enhancement. Huron Lodge chooses to use the funds for technology in the home to support resident care. This includes medication safety technology, point of care technology, all softwares and hardwares for resident care.</p> <p>Funding from Medical Pharmacies Group is as follows:</p> <table border="0"> <tr> <td>Contracts 2012-2016</td> <td>\$400,000</td> <td>(\$80,000 per year)</td> </tr> <tr> <td>Contract 2017-2019</td> <td>\$180,000</td> <td>(\$60,000 per year)</td> </tr> <tr> <td>Contract 2020-2021</td> <td>\$120,000</td> <td>(\$60,000 per year)</td> </tr> </table> <p>Purchase of tablets for Point of care Heavy Workload Temporary Staff Dollars for Implementation Oversight, Business Process Development, Training 2027- Equipment replacement estimated life 7 years 2031- Software / Upgrade Replacement includes software implementation costs, training, and heavy workload staff oversight and business process development 2035 - Equipment replacement estimated life 7 years</p> <p>As communicated to the Social Development, Health and Culture Standing Committee (Report #16180) it is Huron Lodge's goal to implement an up-to-date point of care electronic documentation program which requires wireless and updated wired technology throughout the home.</p>	Contracts 2012-2016	\$400,000	(\$80,000 per year)	Contract 2017-2019	\$180,000	(\$60,000 per year)	Contract 2020-2021	\$120,000	(\$60,000 per year)
Contracts 2012-2016	\$400,000	(\$80,000 per year)								
Contract 2017-2019	\$180,000	(\$60,000 per year)								
Contract 2020-2021	\$120,000	(\$60,000 per year)								
Project Comments/Reference	Version Comments									
7135002										

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	2980	Contracted Services										
2023	0	0	0		0	0	0	0	0	0	0	0	0	500,000	500,000
2024	0	0	0	5125	Computers - PCs										
2025	0	0	0		0	0	0	0	0	100,000	0	0	0	0	100,000
2026	0	0	0	Total	0	0	0	0	0	100,000	0	0	0	500,000	600,000
2027	100,000	100,000	0	Revenues											
2028	0	0	0	221	Service Sustainability Investm										
2029	0	0	0		0	0	0	0	0	100,000	0	0	0	500,000	600,000
2030	0	0	0	Total	0	0	0	0	0	100,000	0	0	0	500,000	600,000
2031	500,000	500,000	0												
600,000		600,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2019	78,000	78,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Equipment Maintenance (Annual)							0	0		
				Unknown	Additional Licensing Fees for POC option (Annual)							0	0		
				Unknown	Software License, Maintenance, Database Hosting Fee (Annual)- CAO Report 3660.							0	0		
				Unknown	WIFI I.T. maintenance fee (Annual) access points							0	0		
				Unknown	I.T. annual maintenance fee \$480 X 42 tablets							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2011	January 1, 2017	Growth: 0.0 % Maintenance: 0.0 %		Susan Rogers				ongoing`							



Project Version Summary

Project #	HLD-001-12	Service Area	Human & Health Services
Budget Year	2022	Department	Huron Lodge
Asset Type	Unassigned	Division	Nursing & Personal Care
Title	Huron Lodge Nursing Equipment Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description	Version Description
To provide a capital project for replacement of nursing equipment from a risk management perspective to address the safety and security of residents, staff and visitors and ensure all nursing equipment meets manufacturer requirements as outlined in the Long Term Care Homes Act (2007). Based on discussions with the supplier and manufacturer's recommendation, this equipment will soon need to be replaced. Most of this equipment is already 10 years old with a life expectancy of 10 - 15 years.	Establishment of a Floor Lift replacement program - \$222,000 (10 years - life expectancy) Establishment of an Aleri/Miranti bath/Tornado/shower chair replacement program - \$210,000(10 years - life expectancy) Establishment of a shower tub replacement program - \$420,500 (15 years - life expectancy) Establishment of equipment within the soiled utility rooms - including hoppers and bed pan washers Establishment of storage equipment replacement

Project Comments/Reference	Version Comments
7199000	

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	450,000	450,000	0	5110	Machinery & Equipment - TCA											
2023	50,000	50,000	0		450,000	50,000	50,000	50,000	75,000	75,000	200,000	200,000	200,000	200,000	1,550,000	
2024	50,000	50,000	0		Total	450,000	50,000	50,000	50,000	75,000	75,000	200,000	200,000	200,000	1,550,000	
2025	50,000	50,000	0	Revenues												
2026	75,000	75,000	0	221	Service Sustainability Investm											
2027	75,000	75,000	0		450,000	50,000	50,000	50,000	75,000	75,000	200,000	200,000	200,000	200,000	1,550,000	
2028	200,000	200,000	0		Total	450,000	50,000	50,000	50,000	75,000	75,000	200,000	200,000	200,000	1,550,000	
2029	200,000	200,000	0													
2030	200,000	200,000	0													
2031	200,000	200,000	0													
	1,550,000	1,550,000	0													

Historical Approved Budget			
		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2019	150,000	150,000	0
2020	150,000	150,000	0
2021	150,000	150,000	0

Related Projects			Operating Budget Impact	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2012	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Susan Rogers	Ongoing`
			Effective Date	Description
			Unknown	Preventative Maintenance
			Exp/(Rev)	FTE Impact
			0	0



Project Version Summary

Project #	HLD-001-15	Service Area	Human & Health Services
Budget Year	2022	Department	Huron Lodge
Asset Type	Unassigned	Division	Nursing & Personal Care
Title	Huron Lodge Ceiling Mounted Resident Lift Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																																		
To provide a capital program for the replacement of ceiling lifts, from a risk management prospective, to address the safety and security of residents and ensure all nursing equipment meets the manufacturer requirements as outlined in the Long Term Care Homes Act (2007).				This project is for the replacement of the 199 ceiling lifts within Huron Lodge. This is a phased-in project to accommodate one resident home area per year at approximately \$110,000 for 32 lifts. The \$110,000 cost does not include the ceiling track but only the motor, battery, slings and labour. The cost is for ceiling lifts in the resident rooms. The ceiling tracks may be required to be replaced in future years. When required, analysis of the ceiling, building structure and track will be completed in conjunction with the facilities department and at that time and any additional funds required may be funded from this replacement program if available. The ceiling lifts located in the tub rooms will be replaced when the showers and tubs are replaced as part of HLD-001-12 (HL nursing equipment replacement program). Depending on the new tub, the lift associated with the tub may vary.																																																																																																																																																																																																																																		
Project Comments/Reference				Version Comments																																																																																																																																																																																																																																		
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2015	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Susan Rogers	Ongoing`
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Project Version Summary

Project #	HLD-002-15	Service Area	Human & Health Services
Budget Year	2022	Department	Huron Lodge
Asset Type	Unassigned	Division	Nursing & Personal Care
Title	Huron Lodge Resident Monitoring & Nurse Bedside Call System		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description	Version Description
<p>This project allows for a safe and secure environment for the residents of Huron Lodge. This project replaces all equipment required for the resident monitoring, security and access throughout the home property including the bedside call system, addresses risk management and the safety and security of all residents indoors and outdoors.</p>	<p>Due to technology changes, upgrades and infection control concerns, a complete replacement of the resident access and nurse bedside call system was projected to be replaced and funding allocated in 2018. This includes the current WanderGuard system, bedside nurse call buttons and paging system. Full replacement actually occurred in 2016 as the current system failed and was beyond repair with parts/technology being obsolete. Funding source for replacement was wireless project HLD-001-11 to be paid back to wireless in 2018 from this project per CR296/2016. Budget amounts are estimates.</p> <p>2019-2021 Software and Hardware updates/repairs WanderGuard secured outdoor area for all residents to use. Currently there is no common outdoor secure area for residents. Due to increased resident population with dementia this would limit the health and safety risks which exist. Fencing, accessible walkway, modest shade gazebo, benches, WanderGuard secured. Updates allow for fundamental communication components in responding to resident needs.</p> <p>2023- Replacement communication system required due to technological advances. This budget is based on 2016 replacement costs and may change.</p> <p>2025-2027- Equipment, Hardware and Software expenses related to upkeep of home safety and security including but not limited to any modifications to doors inside or outside to complement the WanderGuard care.</p> <p>2029- Complete Replacement or Major upgrade depending on technological changes As resident population changes with increased dementia introduction of new technology to support safety of residents will be implemented.</p>
Project Comments/Reference	Version Comments
<p>7191032 CLOSED: 7163001</p>	

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	0	0	0	5110	Machinery & Equipment - TCA											
2023	100,000	100,000	0		0	100,000	0	25,000	20,000	20,000	0	120,000	0	20,000	305,000	
2024	0	0	0		Total	0	100,000	0	25,000	20,000	20,000	0	120,000	0	20,000	305,000
2025	25,000	25,000	0	Revenues												
2026	20,000	20,000	0	221	Service Sustainability Investm											
2027	20,000	20,000	0		0	100,000	0	25,000	20,000	20,000	0	120,000	0	20,000	305,000	
2028	0	0	0		Total	0	100,000	0	25,000	20,000	20,000	0	120,000	0	20,000	305,000
2029	120,000	120,000	0													
2030	0	0	0													
2031	20,000	20,000	0													
	305,000	305,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2018	100,000	100,000	0													
2019	25,000	25,000	0													
2021	20,000	20,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	No Operating Budget Impact						0	0				
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2015	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Susan Rogers	2024`												



Project Version Summary

Project #	HLD-001-17	Service Area	Human & Health Services
Budget Year	2022	Department	Huron Lodge
Asset Type	Unassigned	Division	Nutrition & Dietary Services
Title	Huron Lodge Dietary Servery and Cafe Updates and Equipment Replacement		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description	Version Description
<p>Huron Lodge has 7 server/pantry areas and dining rooms within the building which was built in 2007. Each servery and dining room is located within each resident home area in which 32 residents live. The servery is where the staff members do small food preparation work and food is kept warm or cold. Staff pick up the meals from the servery to deliver to the dining room.</p> <p>Each servery includes the following equipment: 1 reach-in fridge, industrial microwave, steam table, cold food table, rotary toaster and small toaster.</p> <p>Each servery has a pantry, cupboards and counter top. It is estimated at this time that each servery including its equipment will require updating. Wear and tear is already prevalent with the countertops chipping and are susceptible to mold.</p> <p>The café is located on the main floor and will also require equipment pieces / minor updates such as countertops to be prioritized.</p>	<p>The following equipment/updates are required to be replaced when the server/pantry/cafe is updated. Equipment in these areas includes but is not limited to Microwave, steam table, cold table, rotary toaster, multiple use oven, ice machines, garburator, hot water dispenser, small dishmachine, various food carts, stainless steel countertop installation.</p>

Project Comments/Reference	Version Comments
7219017	

Project Forecast	Project Detailed Forecast																																																																																																																																																																																																																													
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	Revenue												
Year	Total Expense	Net City Cost	Subsidies										
2021	35,000	35,000	0										

Related Projects			Operating Budget Impact	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2017	January 1, 2021	Growth: 0.0 % Maintenance: 100.0 %	Cathy Harris	2024+
			Effective Date	Description
			Unknown	reorganizing operations during off peak hours
			Exp/(Rev)	FTE Impact
			0	0



Project Version Summary

Project #	HLD-002-12	Service Area	Human & Health Services
Budget Year	2022	Department	Huron Lodge
Asset Type	Unassigned	Division	Nutrition & Dietary Services
Title	Huron Lodge Cooking and Food Preparation Equipment Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description				Version Description												
To ensure there is an efficient capital fund for the Dietary Services division of Huron Lodge that addresses risk management, quality assurance, and resident care as it relates to legislated food services.				Establishment of a replacement program to purchase, upgrade, and or replace Dietary equipment for food storage & preparation equipment which must comply with the Ministry of Health and Long Term Care Act and Regulations as well as other legislated food service standards to ensure quality of food service to residents to maximize nutritional needs. Smallwares equipment such as smaller ovens, steamers, food preparation equipment, heating, food waste disposal processes, shelving and steam tables, have a life span of 8 – 10 years.												
Project Comments/Reference				Version Comments												
7183003																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Expenses												
		Net City Cost	Subsidies	5111	Machinery & Equipment -Non TCA											
2022	40,000	40,000	0		40,000	40,000	0	42,000	45,000	45,000	0	0	50,000	50,000	312,000	
2023	40,000	40,000	0													
2024	0	0	0		Total	40,000	40,000	0	42,000	45,000	45,000	0	0	50,000	50,000	312,000
2025	42,000	42,000	0	Revenues												
2026	45,000	45,000	0	221	Service Sustainability Investm											
2027	45,000	45,000	0		40,000	40,000	0	42,000	45,000	45,000	0	0	50,000	50,000	312,000	
2028	0	0	0		Total	40,000	40,000	0	42,000	45,000	45,000	0	0	50,000	50,000	312,000
2029	0	0	0													
2030	50,000	50,000	0													
2031	50,000	50,000	0													
	312,000	312,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2018	40,000	40,000	0													
2019	40,000	40,000	0													
2021	40,000	40,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	No Operating Budget Impact							0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date								

2012	January 1, 2018	Growth: 0.0 % Maintenance: 100.0 %	Cathy Harris	Ongoing`
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Project Version Summary

Project #	HLD-003-15	Service Area	Human & Health Services
Budget Year	2022	Department	Huron Lodge
Asset Type	Unassigned	Division	Nutrition & Dietary Services
Title	Huron Lodge Dish Machines and Industrial Kitchen Equipment		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description				Version Description												
To establish a capital project to replace the dish machines and other industrial equipment within the kitchen at Huron Lodge that addresses risk management, quality assurance, and resident care requirements. This equipment is used as part of Huron Lodge's infection control procedures offering industrial quality sanitation and cleaning practices.				To establish a project for the replacement of the dish machines and industrial kitchen equipment at Huron Lodge. This equipment has a life span of 8 - 10 years. Some equipment pieces were moved from the old building in 2007 and are still in working order but could fail at any time. Included in this project is the replacement of all kitchen industrial equipment / industrial storage units in the main kitchen. Equipment includes but not limited to hot carts, steamers, garburators, turbo wash pot/pan sink, ovens and hot tops and costs for plumbing/electrical during installation to be included.												
Project Comments/Reference				Version Comments												
7183001																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Expenses												
		Net City Cost	Subsidies	5111	Machinery & Equipment -Non TCA											
2022	0	0	0	0	40,000	0	50,000	50,000	50,000	110,000	70,000	100,000	100,000	570,000		
2023	40,000	40,000	0	Total	0	40,000	0	50,000	50,000	50,000	110,000	70,000	100,000	570,000		
2024	0	0	0	Revenues												
2025	50,000	50,000	0	221	Service Sustainability Investm											
2026	50,000	50,000	0	0	40,000	0	50,000	50,000	50,000	110,000	70,000	100,000	100,000	570,000		
2027	50,000	50,000	0	Total	0	40,000	0	50,000	50,000	50,000	110,000	70,000	100,000	570,000		
2028	110,000	110,000	0													
2029	70,000	70,000	0													
2030	100,000	100,000	0													
2031	100,000	100,000	0													
	570,000	570,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2018	80,000	80,000	0													
2019	95,000	95,000	0													
2021	110,000	110,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description	Exp/(Rev)	FTE Impact									
				Unknown	No Operating Budget Impact	0	0									
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2015	January 1, 2018	Growth: 0.0 % Maintenance: 0.0 %	Cathy Harris	2023												



Project Version Summary

Project #	HLD-004-15	Service Area	Human & Health Services
Budget Year	2022	Department	Huron Lodge
Asset Type	Unassigned	Division	Nutrition & Dietary Services
Title	Huron Lodge Refrigeration and Freezer Equipment Replacement		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description				Version Description												
To establish a capital project for the replacement of the refrigeration and freezer equipment throughout the RHA servery, pantry, and main kitchen at Huron Lodge.				This equipment has a life expectancy of 8 to 10 years and by 2018 this equipment will need to be replaced as the cost of repairs will be too costly. Items requiring major repairs or replacing include 3 fridge walk-ins, 2 freezer walk-ins, and several fridges and freezers for the dietary (17 reach in refrigeration units, 6 reach in freezer units) and nursing areas (16 units) . Some units will be purchased new and others can be repaired through the purchase of compressors and motors. 2022-establish replacement program for fridge/freezers and purchase software system for monitoring temperature for food and medications as required per the Ministry of Health and long term care standards.												
Project Comments/Reference				Version Comments												
7183002																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies	5111	Machinery & Equipment -Non TCA											
2022	175,000	175,000	0		175,000	0	0	0	175,000	100,000	0	0	250,000	250,000	950,000	
2023	0	0	0													
2024	0	0	0													
2025	0	0	0													
2026	175,000	175,000	0													
2027	100,000	100,000	0													
2028	0	0	0													
2029	0	0	0													
2030	250,000	250,000	0													
2031	250,000	250,000	0													
	950,000	950,000	0													
Historical Approved Budget				Revenues												
Year	Total Expense	Net City Cost	Subsidies	221	Service Sustainability Investm											
2018	80,000	80,000	0		175,000	0	0	0	175,000	100,000	0	0	250,000	250,000	950,000	
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	No Operating Budget Impact							0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2015	January 1, 2018	Growth: 0.0 % Maintenance: 100.0 %	Cathy Harris	2022'												



Project Version Summary

Project #	HLD-006-15	Service Area	Human & Health Services
Budget Year	2022	Department	Huron Lodge
Asset Type	Unassigned	Division	Nutrition & Dietary Services
Title	Huron Lodge Dietary Management System Maintenance		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description				Version Description												
This system will allow for a real time posting of all therapeutic information, such as but not limited to, individual needs, daily and weekly menus, diet cards, production sheets, and real time resident dietary requirements. This will mitigate risks such as aspiration, allergic reactions, ministry requirements, and consistent proper seating arrangements, etc.				<p>This project will allow the Dietary area to update resident files in real-time as opposed to the current manual system which requires binders in several locations in every resident home area and main kitchen to be updated daily (e.g. therapeutics count sheets, production sheets, table cards, seating placements, nourishment list, etc. all required by the Ministry of Health and long term care). This will allow for computerized menus to be posted electronically and all changes to be reflected in real time as they are made. This would also benefit the nursing staff as they will have access to the most up-to-date information in providing resident care which will reduce risk to the residents of Huron Lodge and the Corporation of the City of Windsor.</p> <p>Improved production efficiencies will result with streamlining the process in which data is entered and significant reduction of risk to resident health. It is expected there will be an operating budget impact as a new software may have an annual license fee and if tablets are purchased our IT department may charge the department an annual fee. Budget is based on 2016 estimates.</p> <p>Hardware (ie: screens, keyboards) for each dietary server, kitchen, diet offices; Software to allow for point of care for dietary needs, possible wiring WIFI connection updates; backfill for training and possible temporary dollars for heavy workload staff member</p> <p>2022- integration with clinical software and point of care tablets</p> <p>2023- integration with current dietary software and menu integration, hardware such as computer terminal in the kitchen, monitors in the dining rooms, software updates as required.</p> <p>2031-Hardware Software updates, training</p>												
Project Comments/Reference				Version Comments												
7199002																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue																
Year	Total Expense	Net City Cost	Subsidies													
2022	75,000	75,000	0													
2023	105,000	105,000	0													
2024	0	0	0													
2025	35,000	35,000	0													
2026	0	0	0													
2027	70,000	70,000	0													
2028	0	0	0													
2029	0	0	0													
2030	0	0	0													
2031	50,000	50,000	0													
	335,000	335,000	0													
Expenses																
				5110	Machinery & Equipment - TCA											
					75,000	105,000	0	35,000	0	70,000	0	0	0	50,000	335,000	
				Total	75,000	105,000	0	35,000	0	70,000	0	0	0	50,000	335,000	
Revenues																
				221	Service Sustainability Investm											
					75,000	105,000	0	35,000	0	70,000	0	0	0	50,000	335,000	
				Total	75,000	105,000	0	35,000	0	70,000	0	0	0	50,000	335,000	
Historical Approved Budget																
				Revenue												
Year	Total Expense	Net City Cost	Subsidies													
2019	65,000	65,000	0													

Related Projects			Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date	
			Effective Date	Description	Exp/(Rev) FTE Impact
			Unknown	License Fees	0 0
			Unknown	training costs	0 0
2015	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Cathy Harris	2023`	



Project Version Summary

Project #	HLD-001-13	Service Area	Human & Health Services
Budget Year	2022	Department	Huron Lodge
Asset Type	Unassigned	Division	Program Services
Title	Huron Lodge Beds/Mattresses/Furniture Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description	Version Description
Heavy usage by residents and constant environmental disinfection practices results in irreparable damages to the resident furniture. A capital replacement program averaging every 7 - 10 years is recommended to provide for furniture replacement.	A replacement program for the beds and mattresses along with mandatory utilitarian furniture require replacement due to age (10+ years) and wear and breakdown from cleaning chemicals. Resident Room Furniture includes beds, mattresses, bedside tables, dressers, chairs, blinds, window coverings Common home area Furniture includes couches, chairs, tables The ministry of long term care provides modest funding of \$22,400 for which beds qualify as part of the fall prevention funding (equates to estimated 10 beds), note that there are 224 resident beds in the home. 2019-2022 beds (due to safety) and resident room furniture immediate need of replacing 2023-2026 all common areas such as lounges and dining areas in all 7 resident home areas and main floor lounge/auditorium/café dining 2028-2030 complete home replacement of all furniture including freight, assembly, staging costs (removing old furniture, resident personal belongings to be moved etc)

Project Comments/Reference	Version Comments
7189013	

Project Forecast				Project Detailed Forecast													
Revenue				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total		
Year	Total Expense	Net City Cost	Subsidies	Expenses													
2022	122,404	100,000	22,404	5130	Furniture & Furnishings												
2023	100,000	100,000	0			122,404	100,000	100,000	100,000	200,000	200,000	0	300,000	200,000	100,000	1,422,404	
2024	100,000	100,000	0			Total	122,404	100,000	100,000	100,000	200,000	200,000	0	300,000	200,000	100,000	1,422,404
2025	100,000	100,000	0	Revenues													
2026	200,000	200,000	0	221	Service Sustainability Investm												
2027	200,000	200,000	0			100,000	100,000	100,000	100,000	200,000	200,000	0	300,000	200,000	100,000	1,400,000	
2028	0	0	0	6310	Ontario Specific Grants												
2029	300,000	300,000	0			22,404	0	0	0	0	0	0	0	0	0	22,404	
2030	200,000	200,000	0			Total	122,404	100,000	100,000	100,000	200,000	200,000	0	300,000	200,000	100,000	1,422,404
2031	100,000	100,000	0														
	1,422,404	1,400,000	22,404														

Historical Approved Budget			
Revenue			
Year	Total Expense	Net City Cost	Subsidies
2019	272,400	250,000	22,400
2020	100,000	100,000	0
2021	100,000	100,000	0

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
					0	0
2013	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Tanya Shreve	Ongoing`		



Project Version Summary

Project #	HLD-002-17	Service Area	Human & Health Services
Budget Year	2022	Department	Huron Lodge
Asset Type	Unassigned	Division	Resident Services
Title	Huron Lodge Resident Services Equipment Replacement		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description	Version Description
<p>Establish an equipment replacement program for the Resident Services Division of Huron Lodge that addresses risk management, enriched quality of life, Psycho-social, Physiotherapy and Group Exercise programs, and improved delivery of resident programs.</p>	<p>Establishment of a replacement program over the next five years to purchase, upgrade and or replace equipment for Physiotherapy Services and Resident life enrichment. These must comply with the Ministry of Health and Long Term Care Physiotherapy and Recreation and Social Activities regulations. Maintaining physical function in long term care is critical for improved functions across all aspects of resident care. By being able to provide the appropriate equipment to maintain or improve a resident's abilities we see reduced skin issues, improved ADL performance and increased psychosocial well being. Equipment such as ultrasounds, tens machines, and pedlars ensure our residents receive the appropriate exercises, range of motion, and strengthening to improve or maintain their physical abilities. In addition to equipment for Physiotherapy and group exercise there are various equipment pieces that improve the programs and leisure time of our residents. It is mandated by the Act that the home provide a recreation program that meets the needs of the residents. Televisions, sound equipment, therapeutic recreation pieces, resident computers, and a large projection screen are all equipment that is necessary to enrich the lives of our residents. The use of technology and software in resident programming is vital in order to keep Huron lodge current with best practices in the private sector.</p> <p>\$15,000 - Auditorium TV \$10,000 - TVs (7 Lounge, 1 Therapy Room, 1 Café and 1 Front Main Area) \$10,000 - Ipads and Software (8) \$2,000 - Camera \$10,000 - Computers (7 Resident, 1 for Library) \$2,500 - BBQ \$5,000 - Canopy \$10,000 - Outdoor Furniture \$10,000 - Snoezelen Equipment \$5,000 - Celebration Dining Room Furniture \$45,000 - Physio and Exercise Room Equipment \$50,000 - Shade Structure for Outdoor Equipment \$40,000 - Interactive Equipment (It's Never2Late or equivalent) Replacement - \$10,000 each and software upgrades \$25,000 Kitchenette \$40,000 Introduction of Dementia Chrysalis Project \$60,000 Expansion of Chrysalis Project to other home areas Heavy workload social worker and/or activity aide to implement Chrysalis in the home</p>
Project Comments/Reference	Version Comments
7219000	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	50,000	50,000	0	5111	Machinery & Equipment -Non TCA										
2023	0	0	0			50,000	0	0	0	40,000	150,000	0	0	40,000	60,000
2024	0	0	0												
2025	0	0	0												
2026	40,000	40,000	0												
2027	150,000	150,000	0												
2028	0	0	0												
2029	0	0	0												
2030	40,000	40,000	0												
2031	60,000	60,000	0												
	340,000	340,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2021	124,500	124,500	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	No Operating Budget Impact							0	0		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2017	January 1, 2021	Growth: 0.0 % Maintenance: 100.0 %	Amanda Caslick	2022`											

2022 Approved Capital Budget



Capital Project Summaries

Infrastructure Services



Project Version Summary

Project #	ECP-009-08	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Corporate Projects
Title	Corporate Properties Site Assessments/Clean-ups/Demolitions		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>There are lands that the City has obtained through tax arrears that need to be evaluated for environmental liabilities. It is imperative that the proper environmental site assessment detail the level of contamination or clean up required to sell the lands and qualify for any Brownfield funding.</p> <p>In addition, the state of disrepair of many of these properties render them unfit to sell or make improvements on, and their condition can sometimes present a safety hazard to neighboring property owners and residents. In order to mitigate the potential liability and facilitate disposition of the properties as appropriate, funding is sometimes required to minor repairs or demolish the existing structures. This project includes funding for vacant City-owned properties that require demolition.</p>	<p>Version Description</p> <p>Various transitional properties require Phase I and II environmental studies prior to being sold or demolished. These are being done on a priority basis. This project further includes the demolition of designated City-owned properties, should funds be available.</p>
<p>Project Comments/Reference</p> <p>7081019</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast												
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Net City Cost	Subsidies													
2022	200,000	200,000	0	Expenses												
2023	0	0	0	5410	Construction Contracts - TCA											
2024	0	0	0		200,000	0	0	0	0	0	0	0	0	200,000	400,000	
2025	0	0	0	Total	200,000	0	0	0	0	0	0	0	0	200,000	400,000	
2026	0	0	0	Revenues												
2027	0	0	0	221	Service Sustainability Investm											
2028	0	0	0		200,000	0	0	0	0	0	0	0	0	200,000	400,000	
2029	0	0	0	Total	200,000	0	0	0	0	0	0	0	0	200,000	400,000	
2030	0	0	0													
2031	200,000	200,000	0													
400,000		400,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2008	200,000	200,000	0													
2010	800,000	800,000	0													
2011	427,337	427,337	0													
2014	1,005,000	1,005,000	0													
2020	200,000	200,000	0													
2021	200,000	200,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	No Operating Budget Impact								0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2008	January 1, 2008	Growth: 0.0 % Maintenance: 100.0 %		France Isabelle Tunks					Ongoing`							



Project Version Summary

Project #	ECP-041-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Corporate Projects
Title	New Infrastructure Development - Oversizing Infrastructure (Developer-related)		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description This ongoing allotment is used to repay developers to oversize sewers and roads so other lands can be serviced. Any oversizing required by developers will require the developer's patience for payment to future years as other priorities require funding.	Version Description Funding source for City's share of oversizing for anticipated developments.
Project Comments/Reference 7035119	Version Comments

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	800,000	800,000	0	5410	Construction Contracts - TCA											
2023	300,000	300,000	0		800,000	300,000	300,000	200,000	0	0	200,000	200,000	200,000	500,000	2,700,000	
2024	300,000	300,000	0		Total	800,000	300,000	300,000	200,000	0	0	200,000	200,000	200,000	500,000	2,700,000
2025	200,000	200,000	0	Revenues												
2026	0	0	0	028	Sewer Surcharge											
2027	0	0	0		0	0	300,000	200,000	0	0	200,000	200,000	200,000	150,000	1,250,000	
2028	200,000	200,000	0	169	Pay As You Go - Capital Reserve											
2029	200,000	200,000	0		800,000	300,000	0	0	0	0	0	0	0	350,000	1,450,000	
2030	200,000	200,000	0		Total	800,000	300,000	300,000	200,000	0	0	200,000	200,000	200,000	500,000	2,700,000
2031	500,000	500,000	0													
	2,700,000	2,700,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2007	150,000	150,000	0													
2008	486,000	486,000	0													
2009	250,000	250,000	0													
2010	250,000	250,000	0													
2011	250,000	250,000	0													
2014	100,000	100,000	0													
2015	250,000	250,000	0													
2016	100,000	100,000	0													
2017	100,000	100,000	0													
2018	22,500	22,500	0													
2019	755,000	755,000	0													
2021	272,500	272,500	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	No Operating Budget Impact.							0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2007	January 1, 2015	Growth: 100.0 % Maintenance: 0.0 %		Pat Winters				Ongoing`								



Project Version Summary

Project #	ENG-003-18	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Corporate Projects
Title	Sandwich Library		
Budget Status	Council Approved Budget		
Major Category	Agencies, Boards and Committees (ABC's)		
Wards	Ward 2		
Version Name	Main (Active)		

Project Description				Version Description												
The construction of the new Sandwich Library is complete. Balance of project funding shown has been pre-committed.				CR768/2017 - C 223/2017 - Approved to secure Tender No. 100-17.												
Project Comments/Reference				Version Comments												
7159013				COMMITMENT: CR768/2017 - C 223/2017: 2022 F169 \$500,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	500,000	500,000	0	5410 Construction Contracts - TCA												
2023	0	0	0	500,000 0 0 0 0 0 0 0 0 0 0 0 0 500,000												
2024	0	0	0	Total 500,000 0 0 0 0 0 0 0 0 0 0 0 0 500,000												
2025	0	0	0	Revenues												
2026	0	0	0	169CF Committed Funding												
2027	0	0	0	500,000 0 0 0 0 0 0 0 0 0 0 0 0 500,000												
2028	0	0	0	Total 500,000 0 0 0 0 0 0 0 0 0 0 0 0 500,000												
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	500,000	500,000	0													
Historical Approved Budget																
				Revenue												
Year	Total Expense	Net City Cost	Subsidies													
2018	513,795	513,795	0													
2019	434,280	434,280	0													
2020	465,720	465,720	0													
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date								
2018	January 1, 2018	Growth: 100.0 % Maintenance: 0.0 %	Joe Dattilo					2020`								



Project Version Summary

Project #	ENG-004-21	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Corporate Projects
Title	Airport Employment Lands		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description	Version Description
<p>Servicing the Airport Employment Lands provides lease opportunities.</p> <p>The Cargo development has been complete for a few years and has seen additional land leases as a result. The existing private road is to be extended to connect to St Etienne Boulevard to the west. This will provide additional serviced land ready for lease and will relieve the traffic congestion currently experienced at Wheelton and Rhodes Drive.</p> <p>The second area provides opportunity for leasable land north/east of County Road 42 at 8th Concession. The extension of servicing and roadway north and east provides various opportunities for leasable land.</p>	<p>Cargo Rd Extension to St. Etienne: \$800,000 for Engineering and Property Acquisition and \$3.3M for construction or a total of \$4.1M. Preliminary Engineering and Property Acquisition of \$400,000 is in 2024, remaining funding will be requested in future budgets requests</p> <p>County Road 42/8th Concession: Phase 1 Engineering \$200,000 and Construction \$1.3M for a total of \$1.5M in 2024. Phase 2 – Engineering \$300,000 and Construction \$2.2M for a total of \$2.5M in future budget requests</p>

Project Comments/Reference	Version Comments
7211060	COMMITMENT: CR412/2021 - IN-CAMERA: 2024 F169 \$800,000

Project Forecast	Project Detailed Forecast																																																																																																																																																																																																																													
<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Revenue</th> <th colspan="10"></th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="16">Expenses</td> </tr> <tr> <td>2022</td> <td>0</td> <td>0</td> <td>0</td> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2023</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>1,967,000</td> <td>0</td> <td>2,298,329</td> <td>934,671</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>5,200,000</td> </tr> <tr> <td>2024</td> <td>1,967,000</td> <td>1,967,000</td> <td>0</td> <td style="text-align: right;">Total</td> <td>0</td> <td>0</td> <td>1,967,000</td> <td>0</td> <td>2,298,329</td> <td>934,671</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>5,200,000</td> </tr> <tr> <td>2025</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="12">Revenues</td> </tr> <tr> <td>2026</td> <td>2,298,329</td> <td>2,298,329</td> <td>0</td> <td>169 Pay As You Go - Capital Reserve</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2027</td> <td>934,671</td> <td>934,671</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>1,167,000</td> <td>0</td> <td>2,298,329</td> <td>934,671</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>4,400,000</td> </tr> <tr> <td>2028</td> <td>0</td> <td>0</td> <td>0</td> <td>169CF Committed Funding</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2029</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>0</td> <td>800,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>800,000</td> </tr> <tr> <td>2030</td> <td>0</td> <td>0</td> <td>0</td> <td style="text-align: right;">Total</td> <td>0</td> <td>0</td> <td>1,967,000</td> <td>0</td> <td>2,298,329</td> <td>934,671</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>5,200,000</td> </tr> <tr> <td>2031</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;">5,200,000</td> <td style="text-align: right;">5,200,000</td> <td style="text-align: right;">0</td> <td colspan="12"></td> </tr> </tbody> </table>			Revenue												Year	Total Expense	Net City Cost	Subsidies	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Expenses																2022	0	0	0	5410 Construction Contracts - TCA												2023	0	0	0		0	0	1,967,000	0	2,298,329	934,671	0	0	0	0	5,200,000	2024	1,967,000	1,967,000	0	Total	0	0	1,967,000	0	2,298,329	934,671	0	0	0	0	5,200,000	2025	0	0	0	Revenues												2026	2,298,329	2,298,329	0	169 Pay As You Go - Capital Reserve												2027	934,671	934,671	0		0	0	1,167,000	0	2,298,329	934,671	0	0	0	0	4,400,000	2028	0	0	0	169CF Committed Funding												2029	0	0	0		0	0	800,000	0	0	0	0	0	0	0	800,000	2030	0	0	0	Total	0	0	1,967,000	0	2,298,329	934,671	0	0	0	0	5,200,000	2031	0	0	0														5,200,000	5,200,000	0												
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	5,200,000	5,200,000	0																																																																																																																																																																																																																											

Historical Approved Budget	
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Related Projects	Operating Budget Impact

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
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2021		Growth: 0.0 % Maintenance: 0.0 %	France Isabelle-Tunks	2030`
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Project Version Summary

Project #	ENG-004-22	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Corporate Projects
Title	Artificial Turf Sports Field at the McHugh Soccer Complex		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards			
Version Name	Main (Active)		

Project Description				Version Description											
In December of 2019, Council approved the City of Windsor's Recreation Master Plan (CR#632/2019). To address future growth, geographic distribution and promotion of sport/sport tourism in Windsor, a number of recommendations were made to address field sports in the City. With respect to rectangular fields, the most notable recommendation is for the City to construct an Artificial Turf Field in a location with multiple amenities and fields; doing so would be attractive for tournament users but also meet needs of local soccer groups. The addition of an artificial turf field at the McHugh Soccer Complex will allow for extended play into the shoulder seasons of spring and fall, when traditionally adverse weather and required natural turf field maintenance does not allow for play to occur on natural grass fields															
Project Comments/Reference				Version Comments											
Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	0	0	0		0	0	223,000	254,000	0	0	0	0	0	0	477,000
2024	223,000	223,000	0	Total	0	0	223,000	254,000	0	0	0	0	0	0	477,000
2025	254,000	254,000	0	Revenues											
2026	0	0	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	176	Canada Community Benefit Funding- CCBF Reserve										
2029	0	0	0		0	0	223,000	254,000	0	0	0	0	0	0	477,000
2030	0	0	0	Total	0	0	223,000	254,000	0	0	0	0	0	0	477,000
2031	0	0	0												
	477,000	477,000	0												
Historical Approved Budget															
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											

2022		Growth: 0.0 % Maintenance: 0.0 %	Joe Dattilo	TBD`
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Project Version Summary

Project #	ENG-014-20	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Corporate Projects
Title	Ojibway Wildlife Overpass		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description	Version Description
The Windsor-Detroit Bridge Authority (WDBA) has announced, as part of its community benefits package for the Sandwich Street Improvements, seed money in the amount of \$1.5 M for an eco-passage (bridge) connecting the Black Oak Heritage Forest and Ojibway Park, as a joint project with the City of Windsor. This eco-passage (bridge) will provide safe passage for area wildlife and species at risk in the Ojibway Prairie Complex. Approximately 20,000 vehicles per day travel along the Ojibway Parkway and E.C. Row Expressway. This contributes heavily to wildlife mortality.	In accordance with CR524/2019, the Corporation of the City of Windsor is completing a Municipal Class Environmental Assessment (EA) study for a proposed Wildlife Overpass over Ojibway Parkway in the City of Windsor. The EA identifies potential impacts as a result of such a structure and identify potential location, the type of structure required and a high level budget cost to pursue this project. The cost to design and construct the wildlife overpass is estimated at \$16M. To date, WDBA has funded \$250,000 for the study phase and the City may receive an additional \$1,250,000 in funding from WDBA should the City commit to funding the balance of the project. The balance of the funding required for this project is estimated at \$14.5M which will be brought forward in future budget requests. Administration will continue to pursue funding grants.

Project Comments/Reference	Version Comments
7201005	

Project Forecast	Project Detailed Forecast																																																																																																																																						
<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr><td>2022</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2023</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2024</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2025</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2026</td><td>1,500,000</td><td>1,500,000</td><td>0</td></tr> <tr><td>2027</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2028</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2029</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2030</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2031</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>Total</td><td>1,500,000</td><td>1,500,000</td><td>0</td></tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2022	0	0	0	2023	0	0	0	2024	0	0	0	2025	0	0	0	2026	1,500,000	1,500,000	0	2027	0	0	0	2028	0	0	0	2029	0	0	0	2030	0	0	0	2031	0	0	0	Total	1,500,000	1,500,000	0	<table border="1"> <thead> <tr> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="12">Expenses</td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,500,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,500,000</td> </tr> <tr> <td>Total</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,500,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,500,000</td> </tr> <tr> <td colspan="12">Revenues</td> </tr> <tr> <td>169 Pay As You Go - Capital Reserve</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,500,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,500,000</td> </tr> <tr> <td>Total</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,500,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,500,000</td> </tr> </tbody> </table>	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Expenses												5410 Construction Contracts - TCA	0	0	0	0	1,500,000	0	0	0	0	0	1,500,000	Total	0	0	0	0	1,500,000	0	0	0	0	0	1,500,000	Revenues												169 Pay As You Go - Capital Reserve	0	0	0	0	1,500,000	0	0	0	0	0	1,500,000	Total	0	0	0	0	1,500,000	0	0	0	0	0	1,500,000
Year			Total Expense	Revenue																																																																																																																																			
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2031	0	0	0																																																																																																																																				
Total	1,500,000	1,500,000	0																																																																																																																																				
GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total																																																																																																																												
Expenses																																																																																																																																							
5410 Construction Contracts - TCA	0	0	0	0	1,500,000	0	0	0	0	0	1,500,000																																																																																																																												
Total	0	0	0	0	1,500,000	0	0	0	0	0	1,500,000																																																																																																																												
Revenues																																																																																																																																							
169 Pay As You Go - Capital Reserve	0	0	0	0	1,500,000	0	0	0	0	0	1,500,000																																																																																																																												
Total	0	0	0	0	1,500,000	0	0	0	0	0	1,500,000																																																																																																																												

Historical Approved Budget											
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Year			Total Expense	Revenue							
	Net City Cost	Subsidies									
2021	250,000	250,000	0								

Related Projects	Operating Budget Impact

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2020	December 31, 2019	Growth: 0.0 % Maintenance: 0.0 %	Paul Mourad	December 2020`



Project Version Summary

Project #	ENG-016-20	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Corporate Projects
Title	Kauth's Expansion Plan		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description				Version Description												
The Private Roads Extensions is a component of the economic development of the Cargo Lands to service adjacent properties.				This project is complete pending funding allocation.												
Project Comments/Reference				Version Comments												
7181035				COMMITMENT: CR396/2019 - C 150/2019: 2022 F169 \$1,175,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	1,175,000	1,175,000	0	5410 Construction Contracts - TCA												
2023	0	0	0	1,175,000 0 0 0 0 0 0 0 0 0 0 0 0 1,175,000												
2024	0	0	0	Total 1,175,000 0 0 0 0 0 0 0 0 0 0 0 0 1,175,000												
2025	0	0	0	0												
2026	0	0	0	Revenues												
2027	0	0	0	169CF Committed Funding												
2028	0	0	0	1,175,000 0 0 0 0 0 0 0 0 0 0 0 0 1,175,000												
2029	0	0	0	Total 1,175,000 0 0 0 0 0 0 0 0 0 0 0 0 1,175,000												
2030	0	0	0	0												
2031	0	0	0													
	1,175,000	1,175,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead							Est. Completion Date					
2020	January 2, 2019	Growth: 100.0 % Maintenance: 0.0 %		France Isabelle-Tunks							2020`					



Project Version Summary

Project #	ENG-027-17	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Corporate Projects
Title	Wyandotte Town Centre's World Marketplace Redevelopment - Phase 1		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	Ward 3, Ward 4		
Version Name	Main (Active)		

Project Description				Version Description												
Placeholder as per the approved 2017 enhanced Capital Budget 5-year plan.				Project on hold pending results of "Theme Districting Initiative" project which is ongoing.												
Project Comments/Reference				Version Comments												
				PLACEHOLDER: B8/2019 - C 226/2021: 2024 F169 \$1,000,000.												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	0	0	0	5410 Construction Contracts - TCA												
2023	0	0	0	0 0 1,000,000 0 0 0 0 0 0 0 0 0 0 1,000,000												
2024	1,000,000	1,000,000	0	Total 0 0 1,000,000 0 0 0 0 0 0 0 0 0 0 1,000,000												
2025	0	0	0	Revenues												
2026	0	0	0	169CF Committed Funding												
2027	0	0	0	0 0 1,000,000 0 0 0 0 0 0 0 0 0 0 1,000,000												
2028	0	0	0	Total 0 0 1,000,000 0 0 0 0 0 0 0 0 0 0 1,000,000												
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	1,000,000	1,000,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2017	January 23, 2017	Growth: 0.0 % Maintenance: 0.0 %	France Isabelle-Tunks	2024`												



Project Version Summary

Project #	OPS-006-19	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Corporate Projects
Title	Food and Organic Waste Collection and Treatment		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
As of April 30th, 2018, the MOECC released the finalized Framework for Ontario's Food and Organic Waste. The result is that the City of Windsor, due to its population and density, will be required to provide curbside collection of food waste. This would be in addition to the existing yard waste collection.	This will include evaluating service delivery options, best practices and recommend a direction moving forward. Additional funding requirements will be identified following the completion of this study.

Project Comments/Reference	Version Comments
7184005 (Initial Consultant review options specific to the City of Windsor)	COMMITMENT: CR463/2018 - S 105/2018: 2022 F169 \$20,000

Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Expenses												
		Net City Cost	Subsidies	2950	Other Prof Services-External											
2022	20,000	20,000	0		20,000	0	0	0	0	0	0	0	0	0	0	20,000
2023	0	0	0													
2024	0	0	0		Total	20,000	0	0	0	0	0	0	0	0	0	20,000
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0			0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	169CF	Committed Funding											
2029	0	0	0			20,000	0	0	0	0	0	0	0	0	0	20,000
2030	0	0	0		Total	20,000	0	0	0	0	0	0	0	0	0	20,000
2031	0	0	0													
	20,000	20,000	0													

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2021	165,000	165,000	0

Related Projects				Operating Budget Impact			
				Effective Date	Description	Exp/(Rev)	FTE Impact
				Unknown	No Operating Budget Impact at the Consulting stage	0	0

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2019	September 1, 2018	Growth: 100.0 % Maintenance: 0.0 %	Tracy Beadow	2025



Project Version Summary

Project #	ECB-001-18	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design
Title	California/Pulford - Norfolk to Daytona		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description				Version Description												
On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.				This project is complete pending funding allocation.												
California Ave. and Pulford St. operate as contiguous roadways between Norfolk St. and Daytona Ave. This project involved full rehabilitation with the addition of curbs and gutters and sewers. A Local Improvement process was required for the curb and gutter and storm sewer on California Ave.																
Project Comments/Reference				Version Comments												
7184006				COMMITMENT: CR614/2018 - S 108/2018 - 2023 F221 \$50,000 CR4/2019 - C 217/2018 - 2023 F221 \$1,150,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	0	0	0	Expenses												
2023	1,200,000	1,200,000	0	5410 Construction Contracts - TCA												
2024	0	0	0	0 1,200,000 0 0 0 0 0 0 0 0 0 0 0 1,200,000												
2025	0	0	0	Total 0 1,200,000 0 0 0 0 0 0 0 0 0 0 0 1,200,000												
2026	0	0	0	Revenues												
2027	0	0	0	221CF Committed Funding												
2028	0	0	0	0 1,200,000 0 0 0 0 0 0 0 0 0 0 0 1,200,000												
2029	0	0	0	Total 0 1,200,000 0 0 0 0 0 0 0 0 0 0 0 1,200,000												
2030	0	0	0													
2031	0	0	0													
	1,200,000	1,200,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2018	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Ian Wilson	2021`												



Project Version Summary

Project #	ECB-006-18	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Crawford Ave. - Wyandotte to Tecumseh		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description	Version Description
This project was included in 2018 Enhanced Budget which set aside funds for the design and engineering for Crawford Avenue from Wyandotte St W to Tecumseh Rd W. Following City budgets have allocated to funding for the reconstruction of Crawford Avenue. The design of Crawford Avenue will include the separation of the existing combined sewer with the construction of new sanitary and storm sewers. Also the road design will incorporate recommendation from the City's Active Plan with new bicycle lanes and the relocation of utilities.	2029: Engineering/Utility Relocation/Construction - \$1,000,000 2030: Engineering/Utility Relocation/Construction - \$2,000,000 2031: Engineering/Utility Relocation/Construction - \$1,000,000 2032+: Construction - \$46,780,000

Project Comments/Reference	Version Comments
7183005	

Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Revenue		Expenses											
		Net City Cost	Subsidies	5410	Construction Contracts - TCA										
2022	0	0	0		0	0	0	0	0	0	0	1,000,000	2,000,000	1,000,000	4,000,000
2023	0	0	0		0	0	0	0	0	0	0	1,000,000	2,000,000	1,000,000	4,000,000
2024	0	0	0		0	0	0	0	0	0	0	1,000,000	2,000,000	1,000,000	4,000,000
2025	0	0	0		0	0	0	0	0	0	0	1,000,000	2,000,000	1,000,000	4,000,000
2026	0	0	0		0	0	0	0	0	0	0	1,000,000	2,000,000	1,000,000	4,000,000
2027	0	0	0		0	0	0	0	0	0	0	1,000,000	2,000,000	1,000,000	4,000,000
2028	0	0	0		0	0	0	0	0	0	0	1,000,000	2,000,000	1,000,000	4,000,000
2029	1,000,000	1,000,000	0		0	0	0	0	0	0	0	500,000	500,000	250,000	1,250,000
2030	2,000,000	2,000,000	0		0	0	0	0	0	0	0	500,000	1,500,000	750,000	2,750,000
2031	1,000,000	1,000,000	0		0	0	0	0	0	0	0	1,000,000	2,000,000	1,000,000	4,000,000
	4,000,000	4,000,000	0		0	0	0	0	0	0	0	1,000,000	2,000,000	1,000,000	4,000,000
				Revenues											
				028	Sewer Surcharge										
				221	Service Sustainability Investm										
					0	0	0	0	0	0	0	500,000	500,000	250,000	1,250,000
					0	0	0	0	0	0	0	500,000	1,500,000	750,000	2,750,000
					0	0	0	0	0	0	0	1,000,000	2,000,000	1,000,000	4,000,000

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2020	250,000	250,000	0

Related Projects			Operating Budget Impact		

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date

2018	March 1, 2018	Growth: 0.0 % Maintenance: 0.0 %	Tiffany Pocock	2032 & Beyond
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Project Version Summary

Project #	ECB-017-18	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Pillette Rd. - Seminole to VIA Tracks - Reconstruction		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 5, Ward 8		
Version Name	Main (Active)		

Project Description				Version Description												
On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.				This project is complete pending funding allocation.												
Project Comments/Reference				Version Comments												
7182003				COMMITMENT: CR507/2018 - S 138/2018: 2023 F221 \$950,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Expenses												
		Net City Cost	Subsidies	5410 Construction Contracts - TCA												
2022	0	0	0	0	950,000	0	0	0	0	0	0	0	0	0	950,000	
2023	950,000	950,000	0	Total												
2024	0	0	0	0	950,000	0	0	0	0	0	0	0	0	0	950,000	
2025	0	0	0	Revenues												
2026	0	0	0	221CF Committed Funding												
2027	0	0	0	0	950,000	0	0	0	0	0	0	0	0	0	950,000	
2028	0	0	0	Total												
2029	0	0	0	0	950,000	0	0	0	0	0	0	0	0	0	950,000	
2030	0	0	0	0	950,000	0	0	0	0	0	0	0	0	0	950,000	
2031	0	0	0	0	950,000	0	0	0	0	0	0	0	0	0	950,000	
	950,000	950,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2018	50,000	50,000	0													
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2018	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Fahd Mikhael	2020`												



Project Version Summary

Project #	ECB-034-18	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Byng Rd. - Lappan to Melinda - Reconstruction		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description				Version Description												
On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.				Construction complete. Surface asphalt in Fall of 2022.												
Project Comments/Reference				Version Comments												
7182004				COMMITMENT: CR4/2019 - C 217/2018: 2023 F221 \$650,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	0	0	0													
2023	650,000	650,000	0													
2024	0	0	0													
2025	0	0	0													
2026	0	0	0													
2027	0	0	0													
2028	0	0	0													
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	650,000	650,000	0													
Historical Approved Budget																
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2018	128,000	128,000	0													
2019	600,000	600,000	0													
2020	2,000	2,000	0													
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2018	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %		Adam Mourad					2022							



Project Version Summary

Project #	ECB-035-18	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Riverside Dr. Vista Intersection - Devonshire and Riverside		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 4		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																												
On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.				This project is complete pending funding allocation																																																																																																																																																																																																																												
Project Comments/Reference				Version Comments																																																																																																																																																																																																																												
7185001				COMMITMENT: CR123/2018 - C 20/2018: 2022 F169 \$1,000,000																																																																																																																																																																																																																												
Project Forecast				Project Detailed Forecast																																																																																																																																																																																																																												
				<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Revenue</th> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Year</td> <td>Total Expense</td> <td>Net City Cost</td> <td>Subsidies</td> <td colspan="12">Expenses</td> </tr> <tr> <td>2022</td> <td>1,000,000</td> <td>1,000,000</td> <td>0</td> <td>5410</td> <td colspan="11">Construction Contracts - TCA</td> </tr> <tr> <td>2023</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>1,000,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,000,000</td> </tr> <tr> <td>2024</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>Total</td> <td>1,000,00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,000,000</td> </tr> <tr> <td>2025</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2026</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="12">Revenues</td> </tr> <tr> <td>2027</td> <td>0</td> <td>0</td> <td>0</td> <td>169CF</td> <td colspan="11">Committed Funding</td> </tr> <tr> <td>2028</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>1,000,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,000,000</td> </tr> <tr> <td>2029</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td>Total</td> <td>1,000,00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,000,000</td> </tr> <tr> <td>2030</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2031</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>1,000,000</td> <td>1,000,000</td> <td>0</td> <td colspan="12"></td> </tr> </tbody> </table>															Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Year	Total Expense	Net City Cost	Subsidies	Expenses												2022	1,000,000	1,000,000	0	5410	Construction Contracts - TCA											2023	0	0	0		1,000,000	0	0	0	0	0	0	0	0	0	1,000,000	2024	0	0	0		Total	1,000,00	0	0	0	0	0	0	0	0	1,000,000	2025	0	0	0			0										2026	0	0	0	Revenues												2027	0	0	0	169CF	Committed Funding											2028	0	0	0		1,000,000	0	0	0	0	0	0	0	0	0	1,000,000	2029	0	0	0		Total	1,000,00	0	0	0	0	0	0	0	0	1,000,000	2030	0	0	0			0										2031	0	0	0			0											1,000,000	1,000,000	0												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total																																																																																																																																																																																																																	
Year	Total Expense	Net City Cost	Subsidies	Expenses																																																																																																																																																																																																																												
2022	1,000,000	1,000,000	0	5410	Construction Contracts - TCA																																																																																																																																																																																																																											
2023	0	0	0		1,000,000	0	0	0	0	0	0	0	0	0	1,000,000																																																																																																																																																																																																																	
2024	0	0	0		Total	1,000,00	0	0	0	0	0	0	0	0	1,000,000																																																																																																																																																																																																																	
2025	0	0	0			0																																																																																																																																																																																																																										
2026	0	0	0	Revenues																																																																																																																																																																																																																												
2027	0	0	0	169CF	Committed Funding																																																																																																																																																																																																																											
2028	0	0	0		1,000,000	0	0	0	0	0	0	0	0	0	1,000,000																																																																																																																																																																																																																	
2029	0	0	0		Total	1,000,00	0	0	0	0	0	0	0	0	1,000,000																																																																																																																																																																																																																	
2030	0	0	0			0																																																																																																																																																																																																																										
2031	0	0	0			0																																																																																																																																																																																																																										
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Related Projects				Operating Budget Impact																																																																																																																																																																																																																												
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date																																																																																																																																																																																																																							
2018	March 1, 2018	Growth: 100.0 % Maintenance: 0.0 %		Paul Mourad					2020`																																																																																																																																																																																																																							



Project Version Summary

Project #	ECP-001-10	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Upper Little River Stormwater Management Plan and Implementation		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description	Version Description
To provide storm water drainage outlet and regional storm water management facilities for the Sandwich South Lands. Upper Little River Storm Water Study was initiated to develop a plan for the provision, protection, enhancement and restoration of the drainage system. To be constructed in phases depending on new developments and capital projects as prioritized by Council.	2022: Phased Detail Design - \$1,000,000 2023: Phased Construction - \$2,000,000 2024: Phased Construction - \$3,000,000 2028: Phased Engineering / Property Acquisition - \$1,500,000 2029: Phased Engineering / Property Acquisition / Construction - \$1,500,000 2030: Phased Construction - \$1,500,000 2031: Phased Construction - \$1,500,000 2032+: Phased Engineering / Property Acquisition / Construction - \$236,500,000
Note: Project estimate includes cost for land acquisitions.	

Project Comments/Reference	Version Comments
7076102/7155000 (closed)	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	1,000,000	1,000,000	0	2915 Consulting Services - External											
2023	2,000,000	2,000,000	0		1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
2024	3,000,000	3,000,000	0	5410 Construction Contracts - TCA											
2025	0	0	0		0	2,000,000	3,000,000	0	0	0	1,500,000	1,500,000	1,500,000	1,500,000	11,000,000
2026	0	0	0	Total	1,000,000	2,000,000	3,000,000	0	0	0	1,500,000	1,500,000	1,500,000	1,500,000	12,000,000
2027	0	0	0		0										
2028	1,500,000	1,500,000	0	Revenues											
2029	1,500,000	1,500,000	0	028 Sewer Surcharge											
2030	1,500,000	1,500,000	0		0	0	0	0	0	0	1,500,000	1,500,000	1,500,000	1,500,000	6,000,000
2031	1,500,000	1,500,000	0	117 Dev Chg - Storm & Drains											
	12,000,000	12,000,000	0		1,000,000	2,000,000	3,000,000	0	0	0	0	0	0	0	6,000,000
				Total	1,000,000	2,000,000	3,000,000	0	0	0	1,500,000	1,500,000	1,500,000	1,500,000	12,000,000
					0										

Historical Approved Budget			
		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2015	250,000	250,000	0
2018	500,000	500,000	0
2020	500,000	500,000	0
2021	500,000	500,000	0

Related Projects			Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date	
2010	January 1, 2018	Growth: 100.0 % Maintenance: 0.0 %	Anna Godo	2032 & Beyond	
			Effective Date	Description	Exp/(Rev) FTE Impact
			Unknown	Depending on the final design of the drainage system, there may be additional drain maintenance costs.	0 0



Project Version Summary

Project #	ECP-002-08	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Provincial Rd./Division Rd. Corridor Infrastructure Improvements		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description	Version Description
<p>Improvements on the Provincial/Division corridor are required as a result of traffic growth and expanded commercial activity. The ESR for this project was completed in 2007. Limits on Provincial are from City Limits to the junction with Division Road and continuing along Division to Howard near Marentette. Limits on Division are from Cabana through to Marentette.</p>	<p>Provincial/Division Corridor Improvements: 2025: Phase 3 - Construction - Provincial from Cabana Road E. to Sixth Concession Drain near Legacy Park Drive - \$13,582,800 2026: Phase 3 - Construction - Provincial from Cabana Road E. to Sixth Concession Drain near Legacy Park Drive (continued) - \$10,000,000 2028: Phase 3 - Construction - Provincial Road from east of Lowes intersection to Walker Road - \$392,000 2029: Phase 4 – Construction - Provincial Road from east of Lowes intersection to Walker Road (continued) - \$3,676,520 2030: Phase 4 – Construction - Provincial Road from east of Lowes intersection to Walker Road (continued) - \$1,704,680 2031: Phase 4 – Construction - Provincial Road from east of Lowes intersection to Walker Road (continued) - \$1,500,000 2032+: Phased construction on Provincial/Division Corridor - \$24,800,000 (Estimates do not include utilities, land acquisition for future phases 5 & 7) Note: Pre-commitment approval is required if project schedule to be advanced to allow the continuous construction for Phase 3</p>
Project Comments/Reference	Version Comments
7086003	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	0	0	0		0	0	0	13,582,800	10,000,000	0	392,000	3,676,520	1,704,680	1,500,000	30,856,000
2024	0	0	0	Total	0	0	0	13,582,800	10,000,000	0	392,000	3,676,520	1,704,680	1,500,000	30,856,000
2025	13,582,800	13,582,800	0	Revenues											
2026	10,000,000	10,000,000	0	028	Sewer Surcharge										
2027	0	0	0		0	0	0	3,000,000	4,500,000	0	0	0	0	0	7,500,000
2028	392,000	392,000	0	117	Dev Chg - Storm & Drains										
2029	3,676,520	3,676,520	0		0	0	0	500,000	0	0	0	0	0	0	500,000
2030	1,704,680	1,704,680	0	169	Pay As You Go - Capital Reserve										
2031	1,500,000	1,500,000	0		0	0	0	6,611,000	3,700,000	0	0	3,676,520	1,704,680	900,000	16,592,200
	30,856,000	30,856,000	0	221	Service Sustainability Investm										
					0	0	0	3,471,800	1,800,000	0	392,000	0	0	600,000	6,263,800
				Total	0	0	0	13,582,800	10,000,000	0	392,000	3,676,520	1,704,680	1,500,000	30,856,000
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2008	120,000	120,000	0	Operating Budget Impact											
2009	600,000	600,000	0	Effective Date	Description							Exp/(Rev)	FTE Impact		
2010	8,226,666	4,226,666	4,000,000	Unknown	Depending on the final design, there may be additional sewer and road maintenance costs.						0	0			
2016	3,069,000	3,069,000	0	Year Identified											
2017	2,000,000	2,000,000	0	Start Date	Project Type for 2022	Project Lead						Est. Completion Date			
2019	2,000,000	2,000,000	0	2008	January 1, 2009	Growth: 0.0 % Maintenance: 0.0 %	Jane He						2032 & Beyond		
2020	1,850,000	1,850,000	0												
2021	2,000,000	2,000,000	0												



Project Version Summary

Project #	ECP-002-10	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Banwell Rd. Infrastructure Improvements		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 7, Ward 9		
Version Name	Main (Active)		

Project Description				Version Description												
The 2016 Banwell Road Environmental Study Report recommends improvements to Banwell Road from Tecumseh Rd E to the City Limits (Canadian Pacific Railway).				2022: Construction – Banwell - Palmetto to Mulberry including roundabout - \$500,000 2023: Construction – Banwell - Palmetto to Mulberry including roundabout - \$70,000 2024: Construction – Banwell – Palmetto to Mulberry including roundabout - \$2,100,000 2026: Construction – Banwell - Palmetto to Mulberry including roundabout - \$2,399,000 2028: Engineering/Land Acquisition/Utility Relocation Future Phases \$2,446,520 2029: Engineering/Land Acquisition/Utility Relocation Future Phases \$53,480 2032+: Engineering/Land Acquisition/Utility Relocation/Construction Banwell / EC Row to City Limits (CPR Tracks) - \$104,590,000												
Banwell Road Phase 1 from Tecumseh Rd E to Palmetto was constructed in 2020. Phase 2 and the roundabout at Banwell and Mulberry project is scheduled for construction in 2022. A new interchange at E.C. Row at Banwell Road would be scheduled after 2031.																
Project Comments/Reference				Version Comments												
7171077				COMMITMENT: CR385/2019 - C 132/2019: 2022 F169 \$230,000 - 2022 F221 \$270,000 - 2023 F169 \$42,000 - 2023 F221 \$28,000 - 2024 F169 \$1,285,000 - 2024 F221 \$815,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	5410	Construction Contracts - TCA											
2022	500,000	500,000	0		500,000	70,000	2,100,000	0	2,399,000	0	2,446,520	53,480	0	1,000,000	8,569,000	
2023	70,000	70,000	0													
2024	2,100,000	2,100,000	0		Total	500,000	70,000	2,100,000	0	2,399,000	0	2,446,520	53,480	0	1,000,000	8,569,000
2025	0	0	0		Revenues											
2026	2,399,000	2,399,000	0	115	Dev Chg - Roads & Related											
2027	0	0	0			0	0	0	2,399,000	0	0	0	0	0	2,399,000	
2028	2,446,520	2,446,520	0	115CF	Committed Funding											
2029	53,480	53,480	0		500,000	70,000	2,100,000	0	0	0	0	0	0	0	2,670,000	
2030	0	0	0	169	Pay As You Go - Capital Reserve											
2031	1,000,000	1,000,000	0		0	0	0	0	0	0	1,446,520	53,480	0	1,000,000	2,500,000	
	8,569,000	8,569,000	0	169CF	Committed Funding											
					0	0	0	0	0	0	0	0	0	0	0	
				176CF	Committed Funding											
					0	0	0	0	0	0	0	0	0	0	0	
				221	Service Sustainability Investm											
					0	0	0	0	0	0	1,000,000	0	0	0	1,000,000	
				221CF	Committed Funding											
					0	0	0	0	0	0	0	0	0	0	0	
				Total	500,000	70,000	2,100,000	0	2,399,000	0	2,446,520	53,480	0	1,000,000	8,569,000	

Historical Approved Budget			
Revenue			
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>
2020	3,050,000	3,050,000	0
2021	200,000	200,000	0

Related Projects		Operating Budget Impact			
Precedes	Project Title	Effective Date	Description	Exp/(Rev)	FTE Impact
ECP-009-07	Intersection Improvements Program	Unknown	Depending on the final design, there may be additional road maintenance costs.	0	0
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date	
2010	January 1, 2020	Growth: 46.0 % Maintenance: 54.0 %	Tiffany Pocock	2032 & Beyond	



Project Version Summary

Project #	ECP-003-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Grand Marais Rd. Infrastructure Improvements		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 10		
Version Name	Main (Active)		

Project Description				Version Description											
Due to development in the area and standard road conditions, road improvements are required from Walker to Howard as described in the ESR for this project was completed in 2000. Intersection improvements at South Pacific and Parent and reconstruction of Parkdale Avenue between Turner and Walker Road is complete. Further improvement on Grand Marais Road East and Turner Road are planned for future years.				2028: Design, utility relocation, property acquisition, and construction, Parent to Walker - \$2,000,000 2029: Construction, Parent to Walker - \$2,000,000 2030: Construction, Parent to Walker - \$2,000,000 2031: Construction, Parent to Walker - \$2,000,000 2032+: Construction, Parent to Walker - \$9,630,000 Construction, Howard to Parent - \$4,850,000											
Project Comments/Reference				Version Comments											
7031012 Closed/7141017															
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Revenue	Subsidies	Expenses											
		Net City Cost		5410	Construction Contracts - TCA										
2022	0	0	0		0	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
2023	0	0	0		0	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
2024	0	0	0		0	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
2025	0	0	0		0	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
2026	0	0	0		0	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
2027	0	0	0		0	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
2028	2,000,000	2,000,000	0		0	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
2029	2,000,000	2,000,000	0		0	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
2030	2,000,000	2,000,000	0		0	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
2031	2,000,000	2,000,000	0		0	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
	8,000,000	8,000,000	0												
Historical Approved Budget				Revenues											
Year	Total Expense	Revenue	Subsidies	169	Pay As You Go - Capital Reserve										
2014	375,000	375,000	0		0	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
2017	60,000	60,000	0		0	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
2018	340,000	340,000	0		0	0	0	0	0	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				Unknown	Depending on the final design, there may be additional road maintenance costs.								0	0	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											

2007	January 1, 2015	Growth: 0.0 % Maintenance: 0.0 %	Adam Mourad	2032 & Beyond
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Project Version Summary

Project #	ECP-003-08	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Howard Avenue Corridor Infrastructure Improvements- S Cameron Boulevard to Herb Gray Parkway		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 1, Ward 9		
Version Name	Main (Active)		

Project Description	Version Description
This project relates to improvements on Howard Avenue from South Cameron Boulevard south to the Herb Gray Parkway. Two environmental assessments have been completed for this section of Howard Avenue, 1) The Howard Avenue ESR – 2003, and more recently 2) The Central Box Study Area - 2017. Improvements to this section of Howard Avenue are required in order to improve existing conditions as well as support growth in the area.	2022: Land Acquisition - Howard to Lake Trail - \$50,000 2023: Engineering, design and utility relocates for the South Cameron / Howard intersection redesign - \$100,000 2024: Engineering, design and utility relocates for the South Cameron / Howard intersection redesign - \$2,834,000 2026: Construction – South Cameron/Howard intersection realignment - \$2,798,000 2027: Construction – South Cameron/Howard intersection realignment - \$5,368,000 2028: Engineering design and construction – Kenilworth to Cabana - \$2,200,000 2029: Construction – Kenilworth to Cabana - \$2,000,000 2030: Construction – Kenilworth to Cabana - \$2,700,000 2032+: Engineering design and phased construction – \$52,150,000

Project Comments/Reference	Version Comments
7096001	COMMITMENT: CR269/2020 - IN-CAMERA: 2023 F169 \$100,000 - 2024 F176 \$2,334,000- 2024 F169 \$500,000

Project Forecast				Project Detailed Forecast															
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total				
Revenue				Expenses															
Year	Total Expense	Net City Cost	Subsidies																
2022	50,000	50,000	0	2915	Consulting Services - External														
2023	100,000	100,000	0		0	0	0	0	0	0	500,000	0	0	0	500,000				
2024	2,834,000	2,834,000	0	5210	Land Acquisition														
2025	0	0	0		50,000	0	0	0	0	0	0	0	0	0	50,000				
2026	2,798,000	2,798,000	0	5410	Construction Contracts - TCA														
2027	5,368,000	5,368,000	0		0	100,000	2,834,000	0	2,798,000	5,368,000	2,200,000	1,500,000	2,700,000	0	17,500,000				
2028	2,200,000	2,200,000	0	Total				50,000	100,000	2,834,000	0	2,798,000	5,368,000	2,200,000	2,000,000	2,700,000	0	18,050,000	
2029	2,000,000	2,000,000	0	Revenues															
2030	2,700,000	2,700,000	0	169	Pay As You Go - Capital Reserve														
2031	0	0	0		35,000	0	0	0	2,092,400	5,368,000	2,200,000	2,000,000	2,700,000	0	14,395,400				
	18,050,000	18,050,000	0	169CF	Committed Funding														
					0	100,000	500,000	0	0	0	0	0	0	0	600,000				
				176CF	Committed Funding														
					0	0	2,334,000	0	0	0	0	0	0	0	2,334,000				
				221	Service Sustainability Investm														
					15,000	0	0	0	705,600	0	0	0	0	0	720,600				
				Total				50,000	100,000	2,834,000	0	2,798,000	5,368,000	2,200,000	2,000,000	2,700,000	0	18,050,000	

Related Projects	Operating Budget Impact
	Effective Date Description Exp/(Rev) FTE Impact
	Unknown Depending on the final design, there may be additional sewer and road maintenance costs. 0 0

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2008	January 1, 2010	Growth: 70.0 % Maintenance: 30.0 %	Pat Winters	2032 & Beyond



Project Version Summary

Project #	ECP-003-09	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Cabana Road Infrastructure Improvements		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 1, Ward 9		
Version Name	Main (Active)		

Project Description	Version Description
<p>Improvements on Cabana Road are required as a result of traffic growth, development of surrounding neighbourhoods and intensification. The Environmental Study Report was approved in 2008.</p> <p>As a result of the expected impacts stemming from the proposed location of the new acute care hospital, Council authorized Administration to proceed with design and contract administration of the Cabana Road Environmental Assessment implementation as per CR234/2015.</p>	<p>2022: Utility relocation and Construction – Dominion to Highway 3 - \$6,045,060 Engineering, Land Acquisition and Construction - Provincial to Walker</p> <p>2023: Construction – Dominion to Highway 3 (continued); Land Acquisition and Utility relocation – Provincial to Walker - \$1,291,746</p> <p>2024: Construction – Provincial to Walker - \$3,765,980</p> <p>2025: Construction – Provincial to Walker - \$3,849,659</p> <p>2028-2030: Completion of final section between Provincial and Walker - \$2,700,000</p>
Project Comments/Reference	Version Comments
<p>(7092005 Closed)/7152001</p>	<p>COMMITMENT: CR234/2015 - R18030: 2022 F028 \$1,369,690 - 2022 F169 \$1,587,685 - 2023 F028 \$677,190 - 2023 F169 \$307,278 - 2023 F221 \$1,280,407 - 2024 F028 \$590,610 - 2024 F169 \$1,587,685 - 2024 F221 \$1,587,685 - 2025 F028 \$674,308 - 2025 F169 \$1,587,676 - 2025 F221 \$1,587,675</p> <p>CR319/2019 - C 115/2019: 2022 F169 \$750,000 - 2022 F221 \$750,000</p> <p>Note: CR248/2019 C 79/2019: ICIP Public Transit Grant (ICIP-WIN-008) This grant will require \$12,208,058 of prior years approved funding.</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	6,045,060	6,045,060	0	5410	Construction Contracts - TCA											
2023	1,291,746	1,291,746	0		6,045,060	1,291,746	3,765,980	3,849,659	0	0	450,000	450,000	1,800,000	0	17,652,445	
2024	3,765,980	3,765,980	0		Total	6,045,060	1,291,746	3,765,980	3,849,659	0	0	450,000	450,000	1,800,000	0	17,652,445
2025	3,849,659	3,849,659	0			0										
2026	0	0	0	Revenues												
2027	0	0	0	028CF	Committed Funding											
2028	450,000	450,000	0		1,369,690	677,190	590,610	674,308	0	0	0	0	0	0	3,311,798	
2029	450,000	450,000	0	169	Pay As You Go - Capital Reserve											
2030	1,800,000	1,800,000	0		0	0	0	0	0	450,000	450,000	450,000	0	1,350,000		
2031	0	0	0	169CF	Committed Funding											
	17,652,445	17,652,445	0		2,337,685	307,278	1,587,685	1,587,676	0	0	0	0	0	0	5,820,324	
				221	Service Sustainability Investm											
					0	0	0	0	0	0	0	0	1,350,000	0	1,350,000	
				221CF	Committed Funding											
					2,337,685	307,278	1,587,685	1,587,675	0	0	0	0	0	0	5,820,323	
					Total	6,045,060	1,291,746	3,765,980	3,849,659	0	0	450,000	450,000	1,800,000	0	17,652,445
					0											

Historical Approved Budget				Operating Budget Impact										
		Revenue		Effective Date	Description	Exp/(Rev)	FTE Impact							
Year	Total Expense	Net City Cost	Subsidies											
2009	200,000	200,000	0	Unknown	Upon completion of this project, road maintenance costs due to patching and maintaining gravel shoulders will decrease. These savings, however, will be offset by other road maintenance and snow removal costs resulting from the increased surface area of the road. Operating cost figures cannot be determined at this time as the project is still in its' preliminary stages, however, it is assumed that costs will be lower immediately following completion of the project and will escalate as the road ages.		0	0						
2015	125,000	125,000	0											
2016	3,612,000	3,612,000	0											
2017	6,468,000	6,468,000	0											
2018	4,060,000	3,735,000	325,000											
2019	3,830,325	3,830,325	0											
2020	6,319,674	6,319,674	0											
2021	7,779,841	6,056,742	1,723,099											

Related Projects			Operating Budget Impact	
Follows	Project Title	Project Type for 2022	Project Lead	Est. Completion Date
ECP-027-07	Lennon Drain Improvements	Growth: 50.0 % Maintenance: 50.0 %	Jane He	2030`
ENG-002-18	Asphalt Pavement Widening - Malden Rd./South Cameron Blvd.			



Project Version Summary

Project #	ECP-004-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Walker Rd. Infrastructure Improvements		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 5, Ward 9, Ward 10		
Version Name	Main (Active)		

Project Description	Version Description
<p>The environmental assessment for Walker Rd. from Riverside Drive East to Highway 401 was completed in 2001. The majority of the proposed works from the EA have been implemented including widening of selected portions of Walker Road.</p> <p>Sections of Walker Road that remain to be constructed include:</p> <ul style="list-style-type: none"> - Foster Aveue to Airport Road; - Temple Drive from Walker Road to Central Avenue, including railway crossing; - Storm Sewer for servicing of Temple Drive, westerly to Byng Avenue. 	<p>2028: Engineering and Property Acquisition – Foster to Calderwood to Airport Road - \$1,400,000</p> <p>2029: Construction – Foster to Calderwood - \$1,400,000</p> <p>2030: Construction – Foster to Calderwood - \$1,400,000</p> <p>2031: Construction – Foster to Calderwood - \$2,000,000</p> <p>2032+: Phased Engineering, Property Acquisition and Phased Construction – Calderwood Avenue to Airport Road and Temple Drive Extension Construction – Foster Avenue to Calderwood Avenue - \$20,500,000</p>
Project Comments/Reference	Version Comments
7092016 ISF, 7104001	

Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Net City Cost	Subsidies												
2022	0	0	0	Expenses											
2023	0	0	0	5410	Construction Contracts - TCA										
2024	0	0	0		0	0	0	0	0	0	1,400,000	1,400,000	1,400,000	2,000,000	6,200,000
2025	0	0	0	Total											
2026	0	0	0		0	0	0	0	0	0	1,400,000	1,400,000	1,400,000	2,000,000	6,200,000
2027	0	0	0	Revenues											
2028	1,400,000	1,400,000	0	028	Sewer Surcharge										
2029	1,400,000	1,400,000	0		0	0	0	0	0	0	0	0	0	300,000	300,000
2030	1,400,000	1,400,000	0	169	Pay As You Go - Capital Reserve										
2031	2,000,000	2,000,000	0		0	0	0	0	0	500,000	500,000	500,000	700,000	2,200,000	
	6,200,000	6,200,000	0	221	Service Sustainability Investm										
					0	0	0	0	0	900,000	900,000	900,000	1,000,000	3,700,000	
				Total											
					0	0	0	0	0	1,400,000	1,400,000	1,400,000	2,000,000	6,200,000	
Historical Approved Budget															
Year	Total Expense	Revenue													
		Net City Cost	Subsidies												
2007	2,545,000	2,545,000	0												
2009	2,700,000	900,000	1,800,000												
2010	9,166,666	2,355,555	6,811,111												
2011	1,000,000	0	1,000,000												
2012	8,000,000	0	8,000,000												
2013	6,000,000	0	6,000,000												
2015	450,000	450,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	The addition of new roads and storm sewers will address road capacity and drainage needs but will create new maintenance obligations and associated costs.							0	0		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2007	January 1, 2007	Growth: 0.0 % Maintenance: 0.0 %	Andrew Dowie	2032 & Beyond											



Project Version Summary

Project #	ECP-004-08	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Municipal Drains Capital Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>The ongoing maintenance of Municipal Drains is required by the Drainage Act. Any person affected by the condition of a drain has the power to compel repairs and places potential liability on the responsible municipality.</p> <p>As directed by City Council and approved by the City of Windsor Act, 1968, and CR388/2007, municipal drain maintenance is charged to the general levy and/or to the sewer surcharge levy rather than through special assessment to benefiting property owners as permitted by the Drainage Act. The majority of current funding is raised through the sewer surcharge levy. In order to maintain existing municipal drains and to update Drainage Engineer reports on a 70 year cycle, sustained investments in this project are required.</p>	<p>Municipal Drains:</p> <p>2022: Drainage Engineer Reports and maintenance as required - \$250,000 2023: Drainage Engineer Reports and maintenance as required - \$419,000 2024: Drainage Engineer Reports and maintenance as required - \$250,000 2025: Drainage Engineer Reports and maintenance as required - \$336,000 2026: Drainage Engineer Reports and maintenance as required - \$500,000 2027: Drainage Engineer Reports and maintenance as required - \$500,000 2029: Drainage Engineer Reports and maintenance as required - \$450,000 2030: Drainage Engineer Reports and maintenance as required - \$450,000 2031: Drainage Engineer Reports and maintenance as required - \$800,000</p>
Project Comments/Reference	Version Comments
7086004	

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	250,000	250,000	0	2950	Other Prof Services-External											
2023	419,000	419,000	0		250,000	419,000	250,000	336,000	500,000	500,000	0	450,000	450,000	800,000	3,955,000	
2024	250,000	250,000	0		Total	250,000	419,000	250,000	336,000	500,000	500,000	0	450,000	450,000	800,000	3,955,000
2025	336,000	336,000	0	Revenues												
2026	500,000	500,000	0	028	Sewer Surcharge											
2027	500,000	500,000	0		250,000	250,000	250,000	250,000	500,000	500,000	0	450,000	450,000	800,000	3,700,000	
2028	0	0	0	221	Service Sustainability Investm											
2029	450,000	450,000	0		0	169,000	0	86,000	0	0	0	0	0	0	255,000	
2030	450,000	450,000	0		Total	250,000	419,000	250,000	336,000	500,000	500,000	0	450,000	450,000	800,000	3,955,000
2031	800,000	800,000	0													
	3,955,000	3,955,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2008	400,000	400,000	0													
2009	200,000	200,000	0													
2010	200,000	200,000	0													
2011	200,000	200,000	0													
2012	200,000	200,000	0													
2013	200,000	200,000	0													
2014	200,000	200,000	0													
2015	200,000	200,000	0													
2016	100,000	100,000	0													
2017	100,000	100,000	0													
2018	200,000	200,000	0													
2019	500,000	500,000	0													
2020	200,000	200,000	0													
2021	545,000	545,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	No Operating Budget Impact						0	0				
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2008	January 1, 2008	Growth: 0.0 % Maintenance: 100.0 %	Andrew Dowie	Ongoing`												



Project Version Summary

Project #	ECP-004-09	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Stormwater and Sanitary Master Plan Development (SMP)		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>The need for these Master plans was recognized as a result of several factors, including the acquisition of the Sandwich South Lands and the completion of many of the Priority 1 Storm Sewer projects. Over the past 50 years, many studies have been undertaken for Storm and Sanitary Drainage areas. In addition, the current CCTV sewer program will identify areas of concern for sewer replacement. The resulting Stormwater and Sanitary master plans will provide consolidation of the various Storm and Sanitary studies and identify Storm and Sanitary priority lists for future Capital Works Budgets. Depending on legislation, there may be a requirement to accelerate completion of the Master Plan. Source Water Protection Policies may require monitoring of combined sewer overflow outfalls within the areas of concern.</p>	<p>Version Description</p> <p>This project is complete pending funding allocation</p>
<p>Project Comments/Reference</p> <p>7124000</p>	<p>Version Comments</p> <p>COMMITMENT: CR660/2017 - C 193/2017: 2022 F028 \$250,000 - 2023 F028 \$250,000</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	250,000	250,000	0	2951	INTERNAL Service Salary Allocn										
2023	250,000	250,000	0		250,000	250,000	0	0	0	0	0	0	0	0	500,000
2024	0	0	0	Total	250,000	250,000	0	0	0	0	0	0	0	0	500,000
2025	0	0	0	Revenues											
2026	0	0	0	028CF	Committed Funding										
2027	0	0	0		250,000	250,000	0	0	0	0	0	0	0	0	500,000
2028	0	0	0	Total	250,000	250,000	0	0	0	0	0	0	0	0	500,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	500,000	500,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2012	250,000	250,000	0												
2013	200,000	200,000	0												
2014	500,000	500,000	0												
2015	700,000	700,000	0												
2018	750,000	750,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				Unknown	No Operating Budget Impact								0	0	
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2009	January 1, 2013	Growth: 25.0 % Maintenance: 75.0 %		Anna Godo				2023`							



Project Version Summary

Project #	ECP-005-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Tecumseh Rd. E. Infrastructure Improvements		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 7, Ward 8		
Version Name	Main (Active)		

Project Description	Version Description
The ESR for this project was completed in 1996. Improvements on Tecumseh Rd. E. are required as a result of traffic growth and expanded commercial activity. Project involves widening Tecumseh Rd. E. between Jefferson and Banwell. Planned improvements include building three through lanes in both directions, creating left turn storage lanes at all intersections, building raised medians, 1.5 km of sidewalk on both sides of the road, undertake the replacement of watermains and other utilities and extend the sanitary sewer. As of 2016, Jefferson to Lauzon Rd. has been completed. Next phase is Tecumseh and Forest Glade Intersection.	2022: Design – Tecumseh Rd. E. Infrastructure Improvements - \$500,000 2025: Land Acquisition/Utility Relocation - Tecumseh Rd. E. Infrastructure Improvements - \$500,000 2026: Land Acquisition/Utility Relocation - Tecumseh Rd. E. Infrastructure Improvements - \$1,075,000 2027: Construction – Tecumseh Rd. E. Infrastructure Improvements - \$1,125,000 2028: Construction – Tecumseh Rd. E. Infrastructure Improvements - \$1,000,000 2029: Construction – Tecumseh Rd. E. Infrastructure Improvements - \$1,000,000 2030: Construction – Tecumseh Rd. E. Infrastructure Improvements - \$1,000,000 2032+: Design, Land Acquisition and Construction of remainder Tecumseh Rd EA– Lauzon to Banwell and Little River Bridge - \$67,900,000

Project Comments/Reference	Version Comments
7092017 ISF 7191037	COMMITMENT: B4/2019 - C 37/2019: 2022 F169 \$375,000 - 2022 F221 \$125,000

Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Expenses												
		Net City Cost	Subsidies	5210	Land Acquisition											
2022	500,000	500,000	0		500,000	0	0	0	0	0	0	0	0	0	500,000	
2023	0	0	0	5410	Construction Contracts - TCA											
2024	0	0	0		0	0	0	500,000	1,075,000	1,125,000	1,000,000	1,000,000	1,000,000	0	5,700,000	
2025	500,000	500,000	0	Total	500,000	0	0	500,000	1,075,000	1,125,000	1,000,000	1,000,000	1,000,000	0	6,200,000	
2026	1,075,000	1,075,000	0	Revenues												
2027	1,125,000	1,125,000	0	169	Pay As You Go - Capital Reserve											
2028	1,000,000	1,000,000	0		0	0	0	375,000	375,000	375,000	100,000	100,000	100,000	0	1,425,000	
2029	1,000,000	1,000,000	0	169CF	Committed Funding											
2030	1,000,000	1,000,000	0		375,000	0	0	0	0	0	0	0	0	0	375,000	
2031	0	0	0	221	Service Sustainability Investm											
	6,200,000	6,200,000	0		0	0	0	125,000	700,000	750,000	900,000	900,000	900,000	0	4,275,000	
				221CF	Committed Funding											
					125,000	0	0	0	0	0	0	0	0	0	125,000	
				Total	500,000	0	0	500,000	1,075,000	1,125,000	1,000,000	1,000,000	1,000,000	0	6,200,000	

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2009	5,400,000	1,800,000	3,600,000
2010	3,000,000	1,000,000	2,000,000
2020	450,000	450,000	0
2021	50,000	50,000	0

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
			Effective Date	Description	0	0
			Unknown	By undertaking this project in 2022+, the maintenance division will have to do road repairs in 2017.		
2007	January 1, 2009	Growth: 75.0 % Maintenance: 25.0 %	Ian Wilson	2032 & Beyond		



Project Version Summary

Project #	ECP-005-08	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Grand Marais Drain Improvements (Concrete Channel)		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 10		
Version Name	Main (Active)		

Project Description	Version Description
<p>The Grand Marais Drain Channel Improvements Environmental Assessment was completed in 2012. The Environmental Assessment recommends a reconstruction that will involve a variety of formats that support additional enclosure, naturalization, and expansion of recreational opportunities. The existing concrete channel between Dougall Avenue and Huron Church Road requires total replacement by 2066.</p> <p>Immediate repairs in the sections from Dominion Boulevard downstream to Huron Church Road and Dougall Avenue downstream to Bruce Avenue have been completed. Further repairs beginning at Dougall Avenue were identified to be required by 2026. The entire length of the drain would be improved through this program. Implementation has not begun as of 2021.</p>	<p>Grand Marais Drain Improvements (Concrete Channel):</p> <p>2029: Repair from Dougall Avenue downstream to Bruce Avenue - \$767,000 Repair from Dominion Boulevard downstream to Huron Church Road - \$402,500</p> <p>2030: Repair from Dominion Boulevard downstream to Huron Church Road - \$383,500 Additional repair from Bruce Avenue to Dominion Boulevard - \$714,920</p> <p>2031: Update to Environmental Assessment - \$350,000</p> <p>2032+: Phased Construction - \$50,400,000</p>
Project Comments/Reference	Version Comments
7086005	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	0	0	0		0	0	0	0	0	0	1,169,500	1,098,420	350,000	2,617,920	
2024	0	0	0	Total	0	0	0	0	0	0	1,169,500	1,098,420	350,000	2,617,920	
2025	0	0	0	Revenues											
2026	0	0	0	028	Sewer Surcharge										
2027	0	0	0		0	0	0	0	0	0	1,169,500	1,098,420	350,000	2,617,920	
2028	0	0	0	Total	0	0	0	0	0	0	1,169,500	1,098,420	350,000	2,617,920	
2029	1,169,500	1,169,500	0												
2030	1,098,420	1,098,420	0												
2031	350,000	350,000	0												
	2,617,920	2,617,920	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2008	250,000	250,000	0												
2009	250,000	250,000	0												
2010	500,000	500,000	0												
2011	500,000	500,000	0												
2016	250,000	250,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Depending on the final design, there may be additional drain maintenance costs.							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2008	January 1, 2010	Growth: 0.0 % Maintenance: 0.0 %		Andrew Dowie				2032 & Beyond							



Project Version Summary

Project #	ECP-008-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Pedestrian Safety Improvements		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
Funding to be used based on priority analysis for various locations. - School approach sidewalks - Transit route sidewalks	Funding is allocated to projects based on warrant and priority analysis

Project Comments/Reference	Version Comments
7045034	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	100,000	100,000	0	5410	Construction Contracts - TCA										
2023	0	0	0		100,000	0	100,000	0	100,000	0	100,000	0	100,000	100,000	600,000
2024	100,000	100,000	0		Total	100,000	0	100,000	0	100,000	0	100,000	0	100,000	600,000
2025	0	0	0	Revenues											
2026	100,000	100,000	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		100,000	0	100,000	0	100,000	0	100,000	0	100,000	100,000	600,000
2028	100,000	100,000	0		Total	100,000	0	100,000	0	100,000	0	100,000	0	100,000	600,000
2029	0	0	0												
2030	100,000	100,000	0												
2031	100,000	100,000	0												
	600,000	600,000	0												

Historical Approved Budget			
		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2007	75,000	75,000	0
2008	175,000	175,000	0
2009	175,000	175,000	0
2010	175,000	175,000	0
2011	175,000	175,000	0
2012	100,000	100,000	0

Related Projects	Operating Budget Impact	Exp/(Rev)	FTE Impact
	Effective Date Description		
	Unknown Depending on the final design, there may be increased sidewalk maintenance costs.	0	0

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2007	January 1, 2008	Growth: 100.0 % Maintenance: 0.0 %	Fahd Mikhael	Ongoing`



Project Version Summary

Project #	ECP-009-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Intersection Improvements Program		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Improvements are completed to address safety concerns at identified intersections selected and based on the most current road safety report.				Various locations as identified in the Road Safety Report. Consultant may be retained to undertake safety audits on each identified location where not previously investigated. 2022-2024: Ongoing funding to continue implementing improvements - \$500,000 /yr 2028-2030: Ongoing funding to continue implementing improvements - \$500,000 /yr 2031: Ongoing funding to continue implementing improvements - \$400,000 /yr												
Project Comments/Reference				Version Comments												
(7062007 closed) 7151012, 7035046																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies	5410	Construction Contracts - TCA											
2022	500,000	500,000	0		500,000	500,000	500,000	0	0	0	500,000	500,000	500,000	400,000	3,400,000	
2023	500,000	500,000	0													
2024	500,000	500,000	0		Total	500,000	500,000	500,000	0	0	500,000	500,000	500,000	400,000	3,400,000	
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		500,000	500,000	500,000	0	0	0	500,000	500,000	500,000	400,000	3,400,000	
2028	500,000	500,000	0		Total	500,000	500,000	500,000	0	0	500,000	500,000	500,000	400,000	3,400,000	
2029	500,000	500,000	0													
2030	500,000	500,000	0													
2031	400,000	400,000	0													
	3,400,000	3,400,000	0													
Historical Approved Budget																
				Operating Budget Impact												
Year	Total Expense	Net City Cost	Subsidies	Effective Date	Description	Exp/(Rev)	FTE Impact									
2015	15,000	15,000	0	Unknown	Depending on the final design, there may be increased road maintenance costs.	0	0									
2019	470,000	470,000	0													
2020	400,000	400,000	0													
2021	500,000	500,000	0													
Related Projects																
Follows	Project Title															
ECP-002-10	Banwell Rd. Infrastructure Improvements															
EDG-001-11	Lauzon Parkway & County Rd. 42 Infrastructure Improvements															
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												

2007	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Fahd Mikhael	2032 & Beyond
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Project Version Summary

Project #	ECP-010-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	East Riverside Planning District Infrastructure Improvements		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 7		
Version Name	Main (Active)		

Project Description				Version Description												
A section of Wyandotte Street East within the alignment laid out by the former Town of Riverside and associated drainage facilities has yet to be completed. Completion of Wyandotte Street East to Jarvis Avenue is subject to an environmental assessment prior to these works being constructed. In addition, Jarvis Avenue would be affected through the construction of an outlet sewer to Castle Hill Avenue and surface road improvements would be financed in part through City Council's Local Improvement Policy.				2024: Engineering & Construction - Wyandotte Street Extension and Trunk Sewer on Jarvis Avenue to Beverly Glen Street - \$2,400,000 2032+: Jarvis Avenue Reconstruction – Phased construction - \$3,350,000												
Project Comments/Reference				Version Comments												
7193000																
Closed: 7033118																
Project Forecast				Project Detailed Forecast												
Revenue				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	0	0	0	2950	Other Prof Services-External											
2023	0	0	0			0	0	2,400,000	0	0	0	0	0	0	2,400,000	
2024	2,400,000	2,400,000	0													
2025	0	0	0													
2026	0	0	0													
2027	0	0	0													
2028	0	0	0													
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	2,400,000	2,400,000	0													
				Revenues												
				028	Sewer Surcharge											
						0	0	0	0	0	0	0	0	0	0	
				115	Dev Chg - Roads & Related											
						0	0	2,400,000	0	0	0	0	0	0	2,400,000	
				169	Pay As You Go - Capital Reserve											
						0	0	0	0	0	0	0	0	0	0	
				221	Service Sustainability Investm											
						0	0	0	0	0	0	0	0	0	0	
						0	0	0	0	0	0	0	0	0	0	
						0	0	2,400,000	0	0	0	0	0	0	2,400,000	
				Historical Approved Budget												
Revenue																
Year	Total Expense	Net City Cost	Subsidies													
2007	8,000,000	8,000,000	0													
2008	3,150,000	3,150,000	0													
2009	4,816,667	4,816,667	0													
2010	2,250,000	2,250,000	0													
2015	1,000,000	1,000,000	0													
2019	250,000	250,000	0													

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2007	January 1, 2007	Growth: 0.0 % Maintenance: 0.0 %	Andrew Dowie	2032'	0	0
			Effective Date	Description		
			Unknown	Depending on the final design, there may be additional road and sewer maintenance costs.		



Project Version Summary

Project #	ECP-013-09	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	La Bella Strada - Erie St. Business Improvement Area Streetscaping (SMP)		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description				Version Description												
CR339/2010 approved the Erie Street BIA Streetscaping - La Bella Strada project. Phase 1A - Howard to Pierre was completed in 2011. Phase 1B - Erie from McDougall to Howard and Pierre to Lincoln is next. Erie St E between McDougall Ave & Howard Ave, upgrades to the storm sewer system will be included as outlined in the City Sewer Master Plan.				This project will support pedestrian area design elements within the boundaries of the Erie Street Business Improvement Area. 2023: Phase 1B Engineering - \$300,000 2032+: Phase 1B – Utility relocation, Engineering and Construction - \$4.0M												
Project Comments/Reference				Version Comments												
7109001 Closed 7183018				COMMITMENT: CR4/2019 - C 217/2018: 2023 F169 \$300,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies	2915 Consulting Services - External												
2022	0	0	0	0	300,000	0	0	0	0	0	0	0	0	0	300,000	
2023	300,000	300,000	0	Total	0	300,000	0	0	0	0	0	0	0	0	300,000	
2024	0	0	0	Revenues												
2025	0	0	0	169CF Committed Funding												
2026	0	0	0	0	300,000	0	0	0	0	0	0	0	0	0	300,000	
2027	0	0	0	176 Canada Community Benefit Funding- CCBF Reserve												
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2029	0	0	0	6735 Recovery Of Expenses EXTERNAL												
2030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2031	0	0	0	Total	0	300,000	0	0	0	0	0	0	0	0	300,000	
	300,000	300,000	0													
Historical Approved Budget																
				Operating Budget Impact												
Year	Total Expense	Net City Cost	Subsidies	Effective Date	Description	Exp/(Rev)	FTE Impact									
2011	692,634	692,634	0	Unknown	No Operating Budget Impact	0	0									
Related Projects																
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												

2009	January 1, 2024	Growth: 0.0 % Maintenance: 0.0 %	Tiffany Pocock	2032
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Project Version Summary

Project #	ECP-014-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	University Avenue/Victoria Avenue		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 2, Ward 3		
Version Name	Main (Active)		

Project Description	Version Description
<p>This project is in the implementation of the University Avenue & Victoria Avenue Environmental Assessment, which is scheduled to be completed in early 2022. This includes the full reconstruction of University Ave (McDougall to Huron Church) and Victoria Ave (Chatham St W to Park St W) in accordance to the EA recommendation. Construction phasing to be determined based on recommendations from EA and / or available funding.</p>	<p>2022: Phase 1 -University Ave from E. of Crawford to E. of Cameron Engineering/Utility Relocation/Construction - \$4,025,000</p> <p>2023: Phase 1 -University Ave from E. of Crawford to E. of Cameron Engineering/Utility Relocation/Construction - \$1,475,000 Phase 2 - University Ave Cameron to Bridge Ave Engineering/Utility Relocation/Construction - \$425,000</p> <p>2024-2026: Phase 2 - University Ave Cameron to Bridge Ave Engineering/Utility Relocation/Construction - \$8,600,000</p> <p>2031: Future Construction - \$1,000,000</p> <p>2032+: Future Construction - \$30,000,000</p>
Project Comments/Reference	Version Comments
<p>7052085 closed/7092020 ISF closed/7143003/7221052</p>	<p>PLACEHOLDER: B28/2021 - C176/2021: 2023 F221 \$800,000 - 2024 \$3,274,730 - 2025 \$2,272,045 - 2026 \$2,653,225</p> <p>Note: REC-002-21 \$20M - ECP-014-07 \$9M. If the Green and Inclusive Community Buildings Grant is successful funding is approved and pre-commits the \$29 Million. (ECP-014-07 and REC-002-21). Should the grant be unsuccessful funds are to remain in the project. 2022 funding approved and 2023-2031 funding approved in principle only.</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	4,025,000	4,025,000	0	2915	Consulting Services - External										
2023	1,900,000	1,900,000	0		0	0	400,000	0	0	0	0	0	0	0	400,000
2024	3,674,730	3,674,730	0	5410	Construction Contracts - TCA										
2025	2,272,045	2,272,045	0		4,025,000	1,900,000	3,274,730	2,272,045	2,653,225	0	0	0	0	1,000,000	15,125,000
2026	2,653,225	2,653,225	0		Total	4,025,000	1,900,000	3,674,730	2,272,045	2,653,225	0	0	0	1,000,000	15,525,000
2027	0	0	0			0									
2028	0	0	0	Revenues											
2029	0	0	0	028	Sewer Surcharge										
2030	0	0	0		1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
2031	1,000,000	1,000,000	0	221	Service Sustainability Investm										
					3,025,000	1,100,000	400,000	0	0	0	0	0	0	1,000,000	5,525,000
				221CF	Committed Funding										
					0	800,000	3,274,730	2,272,045	2,653,225	0	0	0	0	0	9,000,000
					Total	4,025,000	1,900,000	3,674,730	2,272,045	2,653,225	0	0	0	1,000,000	15,525,000
						0									
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	150,000	150,000	0												
2008	1,074,846	790,000	284,846												
2009	4,032,987	2,039,750	1,993,237												
2010	5,794,500	1,419,750	4,374,750												
2018	897,640	0	897,640												
2019	350,000	350,000	0												
2020	350,000	350,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				Unknown	Most of these areas have many deficiencies and are in a state of disrepair. Currently, there aren't sufficient funds in the Operating budget to fix or maintain these areas. Repairs will be selective and most sidewalk repairs will be done with asphalt.								0	0	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2007	January 1, 2007	Growth: 0.0 % Maintenance: 100.0 %	Fahd Mikhael	2032 & Beyond											



Project Version Summary

Project #	ECP-016-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	The Riverside Drive Vista Improvement		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 2, Ward 3, Ward 4, Ward 5, Ward 6, Ward 7		
Version Name	Main (Active)		

Project Description	Version Description
<p>The Environmental Study Report was completed in 2007. It contains recommendations on construction phasing for improvements to Riverside Dr. The limits of the study are from Rosedale to the east City limits.</p> <p>Phase 1 from Lauzon to Riverdale is completed.</p> <p>Phase 2A from Ford to St. Rose is a part of DMAF Projects.</p> <p>Phase 3A from Ford to Strabane</p>	<p>2024: Engineering, Phase 3A, Ford to Strabane - \$2,215,000</p> <p>2025: Property Acquisition, Phase 3A, Ford to Strabane - \$1,400,000</p> <p>Engineering, Riverside / Drouillard Intersection - \$1,000,000</p> <p>2026: Utility Relocations & Construction, Phase 3A, Ford to Strabane - \$2,500,000</p> <p>2027: Construction, Phase 3A, Ford to Strabane - \$8,000,000</p> <p>2028: Construction, Phase 3A, Ford to Strabane - \$2,000,000</p> <p>2029: Construction, Phase 3A, Ford to Strabane - \$2,000,000</p> <p>2030: Construction, Phase 3A, Ford to Strabane - \$2,000,000</p> <p>2031: Construction, Phase 3A, Ford to Strabane - \$2,000,000</p> <p>2032+: Construction, Phase 3A, Ford to Strabane - \$2,500,000</p> <p>Phased Engineering and Construction - \$63.6M</p>
Project Comments/Reference	Version Comments
7086001	

Project Forecast				Project Detailed Forecast												
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Net City Cost	Subsidies	Expenses												
2022	0	0	0	2915	Consulting Services - External											
2023	0	0	0		0	0	0	2,400,000	0	0	0	0	0	0	2,400,000	
2024	2,215,000	2,215,000	0	5410	Construction Contracts - TCA											
2025	2,400,000	2,400,000	0		0	0	2,215,000	0	2,500,000	8,000,000	2,000,000	2,000,000	2,000,000	2,000,000	20,715,000	
2026	2,500,000	2,500,000	0		Total											
2027	8,000,000	8,000,000	0		0	0	2,215,000	2,400,000	2,500,000	8,000,000	2,000,000	2,000,000	2,000,000	2,000,000	23,115,000	
2028	2,000,000	2,000,000	0	Revenues												
2029	2,000,000	2,000,000	0	169	Pay As You Go - Capital Reserve											
2030	2,000,000	2,000,000	0		0	0	553,750	600,000	625,000	2,000,000	500,000	500,000	500,000	500,000	5,778,750	
2031	2,000,000	2,000,000	0	221	Service Sustainability Investm											
					0	0	1,661,250	1,800,000	1,875,000	6,000,000	1,500,000	1,500,000	1,500,000	1,500,000	17,336,250	
	23,115,000	23,115,000	0		Total											
					0	0	2,215,000	2,400,000	2,500,000	8,000,000	2,000,000	2,000,000	2,000,000	2,000,000	23,115,000	
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2008	150,000	150,000	0													
2009	1,000,000	1,000,000	0													
2011	500,000	500,000	0													
2016	3,250,000	3,250,000	0													
2017	680,000	680,000	0													
2018	280,000	280,000	0													
2020	664,000	664,000	0													
2021	250,000	250,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	Depending on the final design, there may be additional road and sewer maintenance costs.								0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2007	January 1, 2009	Growth: 0.0 % Maintenance: 0.0 %		Anna Godo					2032 & Beyond							



Project Version Summary

Project #	ECP-022-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Prince Rd./Totten St. Storm Sewer Improvements – (SMP)		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 10		
Version Name	Main (Active)		

Project Description	Version Description
<p>This project will relieve basement, street and property flooding in the Prince Road storm relief drainage area.</p> <p>This project was reviewed in concert with the Sewer Master Plan Implementation prioritization. Recommendations include completing the Prince Road Trunk Sewer Outlet to McKee Creek.</p> <p>Future phases will include sewer separation on Tecumseh, Dorchester, Felix & Marlborough.</p>	<p>Balance of storm relief sewers within the Prince Road drainage area are:</p> <p>2022: Engineering Tecumseh/Dorchester - \$100,000 Tecumseh/Dorchester Separation - \$1,080,000</p> <p>2024: Tecumseh/Dorchester Separation - \$1,370,000 Felix/Marlborough Separation - \$528,750</p> <p>2025: Felix/Marlborough Separation - \$1,721,250</p> <p>2028: Totten Street from Betts to Mark - \$2,000,000</p> <p>2029: Totten Street from Betts to Mark - \$2,600,000</p> <p>2031: Design next phase of Felix Trunk Storm - \$750,000</p> <p>2032+: Separation, new storm trunk sewers on Felix per Sewer Master Plan - \$24,100,000</p>

Project Comments/Reference	Version Comments
7086002/ 7186002	

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	1,180,000	1,180,000	0	5410	Construction Contracts - TCA											
2023	0	0	0		1,180,000	0	1,898,750	1,721,250	0	0	2,000,000	2,600,000	0	750,000	10,150,000	
2024	1,898,750	1,898,750	0		Total	1,180,000	0	1,898,750	1,721,250	0	0	2,000,000	2,600,000	0	750,000	10,150,000
2025	1,721,250	1,721,250	0			0										
2026	0	0	0	Revenues												
2027	0	0	0	028	Sewer Surcharge											
2028	2,000,000	2,000,000	0		1,170,000	0	453,500	1,687,500	0	0	1,500,000	1,950,000	0	562,500	7,323,500	
2029	2,600,000	2,600,000	0	117	Dev Chg - Storm & Drains											
2030	0	0	0		0	0	1,384,000	0	0	0	0	0	0	0	1,384,000	
2031	750,000	750,000	0	169	Pay As You Go - Capital Reserve											
	10,150,000	10,150,000	0		10,000	0	61,250	33,750	0	0	500,000	650,000	0	187,500	1,442,500	
				221	Service Sustainability Investm											
					0	0	0	0	0	0	0	0	0	0	0	
					Total	1,180,000	0	1,898,750	1,721,250	0	0	2,000,000	2,600,000	0	750,000	10,150,000

Historical Approved Budget			
		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2007	670,000	670,000	0
2008	325,000	325,000	0
2009	2,000,000	2,000,000	0
2010	4,620,000	4,620,000	0
2018	125,000	125,000	0
2020	80,000	80,000	0

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2007	January 1, 2008	Growth: 0.8 % Maintenance: 99.2 %	Ian Wilson	2032 & Beyond	0	0
			Effective Date	Description		
			Unknown	Depending on the final design, there may be decreased road and sewer maintenance costs.		



Project Version Summary

Project #	ECP-023-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Parent Ave./McDougall Ave. Storm Sewer (SMP)		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 3, Ward 4		
Version Name	Main (Active)		

Project Description	Version Description
To relieve basement, street and property flooding in the Parent/McDougall storm relief area per 1974 Dillon's report. Construction of sewers will increase capacity to handle major storms. Limits of Report Area is CPR, McDougall, Lincoln and Detroit River. This project will be reviewed in concert with the Sewer Master Plan Implementation prioritization.	2022: Giles Storm Sewer - Langlois to Gladstone Engineering & Construction - \$2,950,000 2024: Giles Storm Sewer - Langlois to Gladstone Engineering & Construction -\$139,000 2025: Giles Storm Sewer - Langlois to Gladstone Engineering & Construction - \$500,000 2026: Giles Storm Sewer - Langlois to Gladstone Engineering & Construction -\$561,000 McDougall Storm Relief Sewer - Phase 1 - \$1,485,000; 2027: Engineering - McDougall Storm Relief Sewer - Phase 1 - \$95,000 2031: McDougall Storm Relief Sewer – Phase 1 - \$4.0M 2032+: McDougall Storm Relief Sewer – Phase 2 - \$17.5M Phased Engineering & Construction McDougall Storm Relief Sewer program - \$48.2M

Project Comments/Reference	Version Comments
7182005	

Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Revenue		Expenses											
		Net City Cost	Subsidies	5410	Construction Contracts - TCA										
2022	2,950,000	2,950,000	0		2,950,000	0	139,000	500,000	2,046,000	95,000	0	0	0	4,000,000	9,730,000
2023	0	0	0												
2024	139,000	139,000	0		Total	2,950,000	0	139,000	500,000	2,046,000	95,000	0	0	4,000,000	9,730,000
2025	500,000	500,000	0			0									
2026	2,046,000	2,046,000	0	Revenues											
2027	95,000	95,000	0	028	Sewer Surcharge										
2028	0	0	0		2,950,000	0	139,000	500,000	561,000	0	0	0	0	4,000,000	8,150,000
2029	0	0	0	221	Service Sustainability Investm										
2030	0	0	0		0	0	0	0	1,485,000	95,000	0	0	0	0	1,580,000
2031	4,000,000	4,000,000	0		Total	2,950,000	0	139,000	500,000	2,046,000	95,000	0	0	4,000,000	9,730,000
	9,730,000	9,730,000	0			0									

Historical Approved Budget			
		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2018	250,000	250,000	0

Related Projects				Operating Budget Impact			
		Effective Date	Description			Exp/(Rev)	FTE Impact
		Unknown	Depending on the final design, there may be decreased road and sewer maintenance costs.			0	0

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
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2007	January 1, 2018	Growth: 50.0 % Maintenance: 50.0 %	Aojeen Issac	2032 & Beyond
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Project Version Summary

Project #	ECP-028-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Grand Marais Drain Rehabilitation Program (Existing Naturalized Channel)		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 5, Ward 10		
Version Name	Main (Active)		

Project Description	Version Description
<p>The naturalized channel of the Grand Marais Drain east of South Cameron Boulevard was the subject of an Environmental Assessment in 2012 and revision in 2015. Segments between South Cameron Boulevard and Howard Avenue and between Turner Road and Byng Road, as well the Lafarge Canada Bridge, have been implemented to date. The remaining work to be completed between Howard Avenue and Turner Road will address conveyance capacity improvements that had been identified which will allow for the decommissioning of various temporary stormwater ponds near the drain and release of lands back to owners. Regular and ongoing maintenance of the drain and of culverts is also funded through this account, requiring sustained investment.</p>	<p>2022: Phased Construction - \$500,000 2023: Phased Construction - \$1,200,000 2026: Phased Construction - \$1,000,000 2027: Phased Construction - \$500,000 2028: Phased Construction - \$300,000 2029: Phased Construction - \$300,000 2030: Phased Construction - \$300,000 2031: Phased Construction - \$300,000</p>
Project Comments/Reference	Version Comments
7082003	COMMITMENT: CR76/2020 - C 4/2020: 2022 F028 \$268,000

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	500,000	500,000	0	5410	Construction Contracts - TCA										
2023	1,200,000	1,200,000	0		500,000	1,200,000	0	0	1,000,000	500,000	300,000	300,000	300,000	300,000	4,400,000
2024	0	0	0		Total	500,000	1,200,000	0	0	1,000,000	500,000	300,000	300,000	300,000	4,400,000
2025	0	0	0	Revenues											
2026	1,000,000	1,000,000	0	028	Sewer Surcharge										
2027	500,000	500,000	0		232,000	1,200,000	0	0	1,000,000	500,000	300,000	300,000	300,000	300,000	4,132,000
2028	300,000	300,000	0	028CF	Committed Funding										
2029	300,000	300,000	0		268,000	0	0	0	0	0	0	0	0	0	268,000
2030	300,000	300,000	0		Total	500,000	1,200,000	0	0	1,000,000	500,000	300,000	300,000	300,000	4,400,000
2031	300,000	300,000	0												
	4,400,000	4,400,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	140,000	140,000	0												
2008	735,000	735,000	0												
2009	1,330,000	1,330,000	0												
2014	2,000,000	2,000,000	0												
2018	470,000	470,000	0												
2019	1,600,000	1,600,000	0												
2021	732,000	732,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	As a result of this investment, new building lots on the sites of existing stormwater management ponds and corresponding permanent tax revenues will be able to be created. Improvement to the drain can be expected to decrease ongoing maintenance obligations in the near term.							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2007	January 1, 2008	Growth: 0.0 % Maintenance: 100.0 %		Andrew Dowie				Ongoing`							



Project Version Summary

Project #	ECP-035-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	City Wide Sewer Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>The existing system is deteriorating and is causing major maintenance problems. This funding allows for the replacement of collapsed or deteriorated sewers. Projects are identified based on television inspection and emergency call activity.</p>	<p>Please see attachment for further details. As part of projects list reprioritizing, Ypres – Marentette to Forest project, planned for 2022 construction in the approved 2021 budget, was deferred due to good condition of the road surface and will be reconsidered in future years.</p>
Project Comments/Reference	Version Comments
<p>See Document Attached. OPEN: 7092009/7134005/7144001/7144004/7144006/7153002/7153003/7153004/7161062/7164006/7164007/7164008/7171003/7171004/7171005 / 7171006/7171007/7171008/7171009/7181001/7181006/7181007/7181008/7181009/7191024/7191025/7191026/7201025/7201026/7201027 / 7201028/7213002/ 7221031/7221032/7221033 CLOSED: 7082006-7082026/7092010-7092012/7103002-7103007/ 7111014-7111018/ 7132000/7134002/7144002/7144003/7144005/7092008/ 7111017/7164003-7164005/7171004-7171008/7134000/7134001/7134004/7144000/7161063/7153005/7153001/7164001/7181002-7181004</p>	<p>COMMITMENT: CR453/2021 C 140/2021: 2022 F028 \$7,475,000</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	10,245,000	10,245,000	0	5410	Construction Contracts - TCA										
2023	10,343,000	10,343,000	0		10,245,000	10,343,000	6,037,000	7,518,000	8,927,624	5,463,550	9,700,000	9,300,000	9,000,000	9,000,000	85,534,174
2024	6,037,000	6,037,000	0		Total	10,245,000	10,343,000	6,037,000	7,518,000	8,927,624	5,463,550	9,700,000	9,300,000	9,000,000	85,534,174
2025	7,518,000	7,518,000	0	Revenues											
2026	8,927,624	8,927,624	0	028	Sewer Surcharge										
2027	5,463,550	5,463,550	0		2,770,000	10,343,000	6,037,000	7,518,000	8,427,624	5,463,550	8,500,000	8,500,000	8,500,000	8,500,000	74,559,174
2028	9,700,000	9,700,000	0	028CF	Committed Funding										
2029	9,300,000	9,300,000	0		7,475,000	0	0	0	0	0	0	0	0	0	7,475,000
2030	9,000,000	9,000,000	0	221	Service Sustainability Investm										
2031	9,000,000	9,000,000	0		0	0	0	0	500,000	0	1,200,000	800,000	500,000	500,000	3,500,000
	85,534,174	85,534,174	0		Total	10,245,000	10,343,000	6,037,000	7,518,000	8,927,624	5,463,550	9,700,000	9,300,000	9,000,000	85,534,174
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	8,078,000	8,078,000	0												
2008	9,069,000	9,069,000	0												
2009	10,797,000	10,797,000	0												
2010	11,611,000	11,611,000	0												
2011	8,700,000	8,700,000	0												
2012	7,250,000	7,250,000	0												
2013	10,425,000	9,350,000	1,075,000												
2014	15,055,000	15,055,000	0												
2015	10,700,000	10,700,000	0												
2016	12,500,000	12,500,000	0												
2017	18,116,000	14,160,000	3,956,000												
2018	14,116,673	14,116,673	0												
2019	12,280,000	12,280,000	0												
2020	8,208,750	8,208,750	0												
2021	9,348,500	9,348,500	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Depending on the final design, there may be decreased sewer maintenance costs.						0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2007	January 1, 2007	Growth: 0.0 % Maintenance: 100.0 %	Various	Ongoing`											

**Project Attachments
For: 2022**

Project # ECP-035-07

Project Name: City Wide Sewer Rehabilitation Program

							Allocation of 2022 Costs		
Project#	STREET	FROM	TO	Sewer Type	Ward	2022	Construction	Engineering	Land Acquisition
Construction									
	Aubin Rd	Seminole St	Alice St	Over / Under	5	\$3,400	\$ 3,128	\$ 272	-
	Jos St. Louis Ave	Tecumseh Rd	Rose Ave	Combined	8	\$850	\$ 782	\$ 68	-
	St. Luke Rd	Seminole St	Alice St	Over / Under	5	\$3,225	\$ 2,967	\$ 258	-
	Laing / McEwan Ph 1	Campbell / Laing	Curry / Grove	Combined	2	\$1,650	\$ 1,518	\$ 132	-
Engineering ONLY - For 2023 Projects						\$ 620		\$ 620	
Engineering ONLY - For 2024 Projects						\$ 500		\$ 500	
Grand Total						\$ 10,245	\$ 8,395	\$ 1,850	\$ -

Revised Sept 29, 2021

Project Attachments
For: 2022

Project # ECP-035-07

Recommended Sewer Rehabilitation Program (2023 - 2031) *

STREET	FROM	TO	Sewer Type	Ward	2023	2024	2025	2026	2027	2028	2029	2030	2031	
Construction														
Aubin Rd	Alice St	Guy St	Over / Under	5	\$2,660									
Albert Rd	Seminole St	Metcalf St	Separated	5	\$1,660									
Laing/McEwan Ph 2	Campbell/Laing	Curry/Grove	Combined	2	\$730									
Elsmere Ave.	Elliott St	Giles Blvd E	Combined	4	\$3,351									
Barrymore Ln Ph 1	Prince Rd	Brock St	Over / Under	2	\$1,632									
Engineering ONLY - For 2025 Projects						\$310								
Construction														
Barrymore Ln Ph 2	Prince Rd	Brock St	Over / Under	2		\$2,143								
St. Luke Rd	Alice St	Tecumseh Rd	Over / Under	5		\$3,694								
Engineering ONLY - For 2026 Projects							\$200							
Construction														
Ford Blvd	Reginald St	Coronation Ave	Combined	8			\$3,768							
Louis Ave	Lens Ave	Memorial Dr	Combined	4			\$2,050							
Chandler Rd	Alice St	Milloy St	Separated	5			\$1,200							
Engineering ONLY - For 2027 Projects							\$500							
Construction														
Patricia Rd	University Ave	Riverside Dr	Combined	2			\$1,300							
Central Ave	Via Tracks	Franklin St	Over / Under	5			\$3,000							
Girardot St	Prince Rd	Brock St	Over / Under	2			\$3,000							
Marentette Ph I	Elliott	Erie	Combined	4			\$1,127							
Engineering ONLY - For 2028 Projects								\$501						
Construction														
Marentette Ph 2	Elliott	Erie	Combined	4				\$2,673						
McEwan	Pelletier	Cul-de-sac	Over / Under	2				\$2,500						
Engineering ONLY - For 2029 Projects									\$291					
List for various projects for 2029 construction not yet developed.														
Construction														
Chandler Rd	Seminole St	Reginald St	Separated	5						\$2,070				
Westminster Blvd	Joinville Ave	Rose St	Combined	8						\$1,814				
Remaining List of projects for 2028 construction being compiled										\$5,315				
Engineering ONLY - For 2030 Projects										\$500				
List for various projects for 2030 construction not yet developed.														
Construction														
List of projects for 2029 construction being compiled											\$8,800			
Engineering ONLY - For 2031 Projects											\$500			
List for various projects for 2031 construction not yet developed.														
Construction														
List of projects for 2030 construction being compiled												\$8,500		
Engineering ONLY - For 2032 Projects												\$500		
List for various projects for 2032 construction not yet developed.														
Construction														
List of projects for 2031 construction being compiled													\$8,500	
Engineering ONLY - For 2033 Projects													\$500	
List for various projects for 2033 construction not yet developed.														
Grand Total						\$10,343	\$6,037	\$7,518	\$8,928	\$5,464	\$9,700	\$ 9,300	\$ 9,000	\$ 9,000

* Project list for 2023 - 2031 is preliminary only and must be coordinated with the Windsor Utilities Commission and Operation



Project Version Summary

Project #	ECP-036-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Ojibway Sanitary Sewer Rehabilitation		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 1, Ward 2		
Version Name	Main (Active)		

Project Description	Version Description
<p>These funds are required to rehabilitate the century old deteriorated sanitary sewer on Ojibway Parkway between the former Windsor Raceway and the Lou Romano Water Reclamation Plant. This sewer serves many of the industries located within the Ojibway Industrial Park. A 1992 study by LaFontaine, Cowie, Buratto & Associates Limited (now Stantec Consulting Ltd.) identified serious deterioration of the Ojibway Sanitary Sewer and recommended complete rehabilitation.</p> <p>Past phases of work included Phase 1 (1993), Phase 2 (Linsell to Chappus - 2001), Phase 3 (Chappus to Broadway - 2001), Phase 4 (2011), and Phase 5 (2017).</p> <p>Future allocations are required to fund replacement of Phase 3, which deteriorated as a result of effluent concentrations, and remaining areas where repair is found to be needed. The project will conclude following this work.</p>	<p>2023: Rehabilitation - \$3,000,000 2026: Rehabilitation - \$439,000</p> <p>This work would include identifying the newest technology to rehabilitate the sanitary sewer while ensuring that there would be minimal disturbance to the flow. It is critical to continually review the condition of this sewer due to its age and the volume of flow. This sewer provides service to the Weaver/Sprucewood industrial area.</p>
Project Comments/Reference	Version Comments
7032060 Closed/7141018/ 7203006	COMMITMENT: CR496/2020 - C 186/2020: 2023 d028 \$3,000,000

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	3,000,000	3,000,000	0		0	3,000,000	0	0	439,000	0	0	0	0	0	3,439,000
2024	0	0	0	Total	0	3,000,000	0	0	439,000	0	0	0	0	0	3,439,000
2025	0	0	0	Revenues											
2026	439,000	439,000	0	028	Sewer Surcharge										
2027	0	0	0		0	0	0	0	439,000	0	0	0	0	0	439,000
2028	0	0	0	028CF	Committed Funding										
2029	0	0	0		0	3,000,000	0	0	0	0	0	0	0	0	3,000,000
2030	0	0	0	Total	0	3,000,000	0	0	439,000	0	0	0	0	0	3,439,000
2031	0	0	0												
	3,439,000	3,439,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2014	1,900,000	1,900,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Depending on the final design, there may be decreased sewer maintenance costs.						0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2007	January 1, 2022	Growth: 0.0 % Maintenance: 0.0 %	Fahd Mikhael	2027`											



Project Version Summary

Project #	EDG-001-11	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Lauzon Parkway & County Rd. 42 Infrastructure Improvements		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description	Version Description
<p>This Project is to implement the Lauzon Parkway Environmental Assessment (EA).</p> <p>The limits are Lauzon Parkway (E C Row to 401), County Road 42 (Walker to City limits) and E-W Arterial (Walker Road to County Road 17).</p> <p>The construction of the Lauzon Parkway/Country Rd 42 intersection is the next phase.</p> <p>Note: Improvements to the Upper Little River Stormwater Facilities (ECP-001-10) are required with any improvements in this project.</p>	<p>2023-26: Construction of intersection of Lauzon Parkway North realignment - \$18,051,200</p> <p>2027: Construction of intersection of Lauzon Parkway North realignment - \$4,632,800</p> <p> Engineering - County Road 42 from 9th Concession Road to Lauzon Parkway - \$3,401,000</p> <p>2029: Land Acquisition - County Road 42, west of 9th Concession Road - \$225,000</p> <p>2030: Land Acquisition - County Road 42, west of 9th Concession Road - \$775,000</p> <p>2031: Engineering - County Road 42, Walker Road to 9th Concession Road - \$1,000,000</p> <p>2032+: Engineering - County Road 42, Walker Road to 9th Concession Road - \$5,000,000</p> <p> Land Acquisition / Construction - County Road 42 between 9th Concession Road and Lauzon Parkway - \$30,700,000</p> <p> Engineering / Land Acquisition / Construction - County Road 42- \$85,000,000</p> <p> Engineering / Land Acquisition / Construction - Lauzon Parkway - \$222,000,000</p> <p> Engineering / Land Acquisition / Construction - East/West Arterial Rd - \$56,000,000</p>
Project Comments/Reference	Version Comments
<p>7109005 (closed)</p> <p>7197000</p>	<p>Note:</p> <p>Approval of the new hospital may require acceleration of these funds.</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	2915	Consulting Services - External										
2023	1,000,000	1,000,000	0		0	1,000,000	0	0	0	0	0	0	0	0	1,000,000
2024	300,000	300,000	0	5410	Construction Contracts - TCA										
2025	7,151,200	7,151,200	0		0	0	300,000	7,151,200	9,600,000	8,033,800	0	225,000	775,000	1,000,000	27,085,000
2026	9,600,000	9,600,000	0		Total										
2027	8,033,800	8,033,800	0		0	1,000,000	300,000	7,151,200	9,600,000	8,033,800	0	225,000	775,000	1,000,000	28,085,000
2028	0	0	0	Revenues											
2029	225,000	225,000	0	115	Dev Chg - Roads & Related										
2030	775,000	775,000	0		0	1,000,000	0	3,000,000	5,703,313	5,247,832	0	0	0	0	14,951,145
2031	1,000,000	1,000,000	0	117	Dev Chg - Storm & Drains										
	28,085,000	28,085,000	0		0	0	300,000	2,584,000	0	0	0	0	0	0	2,884,000
				169	Pay As You Go - Capital Reserve										
					0	0	0	0	1,034,437	1,845,836	0	225,000	775,000	500,000	4,380,273
				176	Canada Community Benefit Funding- CCBF Reserve										
					0	0	0	1,567,200	2,462,250	342,250	0	0	0	0	4,371,700
				221	Service Sustainability Investm										
					0	0	0	0	400,000	597,882	0	0	0	500,000	1,497,882
					Total										
					0	1,000,000	300,000	7,151,200	9,600,000	8,033,800	0	225,000	775,000	1,000,000	28,085,000

Historical Approved Budget				Operating Budget Impact									
		Revenue		Effective Date	Description	Exp/(Rev)	FTE Impact						
Year	Total Expense	Net City Cost	Subsidies										
2011	50,000	0	50,000	Unknown	Upon completion of this project, road maintenance costs due to patching and maintaining gravel shoulders will decrease. These savings, however, will be offset by other road maintenance and snow removal costs resulting from the increased surface area of Lauzon Parkway and County Rd. 42, as well as the addition of the East/West Arterial. Operating cost figures cannot be determined at this time as the project is still in its' preliminary stages, however, it is assumed that costs will be lower immediately following completion of the project and will escalate as the road ages.		0	0					
2012	50,000	0	50,000										
2013	50,000	0	50,000										
2019	1,500,000	1,500,000	0										
2020	1,500,000	1,500,000	0										
2021	550,000	550,000	0										

Related Projects			Operating Budget Impact		
Precedes	Project Title	Effective Date	Description	Exp/(Rev)	FTE Impact
ECP-009-07	Intersection Improvements Program	Unknown	Upon completion of this project, road maintenance costs due to patching and maintaining gravel shoulders will decrease. These savings, however, will be offset by other road maintenance and snow removal costs resulting from the increased surface area of Lauzon Parkway and County Rd. 42, as well as the addition of the East/West Arterial. Operating cost figures cannot be determined at this time as the project is still in its' preliminary stages, however, it is assumed that costs will be lower immediately following completion of the project and will escalate as the road ages.	0	0

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2011	January 1, 2021	Growth: 0.0 % Maintenance: 0.0 %	Anna Godo	2032 & Beyond



Project Version Summary

Project #	ENG-001-13	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Capital Rehabilitation Program for Little River Steel Retaining Walls		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 6, Ward 7		
Version Name	Main - Little River Steel Retaining Walls (Active)		

Project Description	Version Description
<p>Steel retaining walls and earth dykes have been constructed along the Little River between Riverside Drive and the VIA Rail tracks beginning in 1983 to provide flood protection to the immediate neighbourhoods of the area which have high risk of overland flooding. This vital flood protection protects over 2000 homes and the Little River Pollution Control Plant.</p> <p>A condition survey and structural evaluation of the 2.5km system of Little River Steel Retaining Walls was completed in 2012. It was determined that the balance of the system requires rehabilitation in order to extend service life beyond 10 years.</p> <p>In addition, it has been observed that the dykes have been breached at several residences along the Little River. Reinstatement of those breaches and restoration of the original dyke elevations is required to return to intended levels of protection.</p>	<p>2023: Phased replacement of retaining wall - \$1,000,000 2024: Phased replacement of retaining wall - \$500,000 2025: Phased replacement of retaining wall - \$500,000 2027: Phased replacement of retaining wall - \$1,000,000 2028: Phased replacement of retaining wall - \$1,500,000 2029: Phased replacement of retaining wall - \$500,000 2030: Phased replacement of retaining wall - \$500,000 2031: Phased replacement of retaining wall - \$500,000 2032+: Phased replacement of retaining wall - \$20,500,000</p> <p>Grant funding programs will be leveraged where possible to assist in offsetting construction costs</p>
Project Comments/Reference	Version Comments
7141019	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	1,000,000	1,000,000	0		0	1,000,000	500,000	500,000	0	1,000,000	1,500,000	500,000	500,000	500,000	6,000,000
2024	500,000	500,000	0		Total	0	1,000,000	500,000	500,000	0	1,000,000	1,500,000	500,000	500,000	6,000,000
2025	500,000	500,000	0	Revenues											
2026	0	0	0	028	Sewer Surcharge										
2027	1,000,000	1,000,000	0		0	1,000,000	500,000	500,000	0	1,000,000	500,000	500,000	500,000	500,000	5,000,000
2028	1,500,000	1,500,000	0	221	Service Sustainability Investm										
2029	500,000	500,000	0		0	0	0	0	0	0	1,000,000	0	0	0	1,000,000
2030	500,000	500,000	0		Total	0	1,000,000	500,000	500,000	0	1,000,000	1,500,000	500,000	500,000	6,000,000
2031	500,000	500,000	0												
6,000,000		6,000,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2014	1,000,000	500,000	500,000												
2016	500,000	500,000	0												
2017	1,000,000	1,000,000	0												
2018	500,000	500,000	0												
2020	1,000,000	1,000,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	No Operating Budget Impact						0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2013	January 1, 2014	Growth: 0.0 % Maintenance: 0.0 %		Andrew Dowie				2032 & Beyond							



Project Version Summary

Project #	ENG-001-16	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Sixth Concession Rd./North Talbot Rd. Infrastructure Improvements		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 1, Ward 9		
Version Name	Main (Active)		

Project Description				Version Description												
The project is the implementation of the Sixth Concession/North Talbot EA. Limits are - Sixth Concession Road from Division to North Talbot and on North Talbot from Howard to City limits. Phase 1 on North Talbot from Howard to the west leg of Southwood Lakes boulevard is under construction.				2022-2023: Land acquisition & Sixth Concession Road corridor design - \$ 968,000 2026-2028: Construction - North Talbot Phase 2, Southwood Lakes Boulevard (West leg) to Goldenwood - \$2,590,000 2028-2030: Phased Construction, North Talbot/Sixth Concession intersection - \$3,655,000 2031: Phased Construction, North Talbot - \$1,000,000 2032+: Phased Construction, North Talbot & Sixth Concession - \$38,600,000												
Project Comments/Reference				Version Comments												
7171063				COMMITMENT: B30/2019 - C 53/2019: 2022 F169 \$725,250 - 2022 F221 \$241,750 - 2023 F169 \$750 - 2023 F221 \$250												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue	Subsidies	Expenses												
		Net City Cost		5210	Land Acquisition											
2022	967,000	967,000	0		610,000	630	0	0	0	0	0	0	0	0	610,630	
2023	1,000	1,000	0	5410	Construction Contracts - TCA											
2024	0	0	0		357,000	370	0	0	700,000	1,390,000	1,005,000	1,750,000	1,400,000	1,000,000	7,602,370	
2025	0	0	0		Total	967,000	1,000	0	0	700,000	1,390,000	1,005,000	1,750,000	1,400,000	1,000,000	
2026	700,000	700,000	0	Revenues												
2027	1,390,000	1,390,000	0	169	Pay As You Go - Capital Reserve											
2028	1,005,000	1,005,000	0		0	0	0	525,000	640,000	255,000	1,000,000	700,000	1,000,000	4,120,000		
2029	1,750,000	1,750,000	0	169CF	Committed Funding											
2030	1,400,000	1,400,000	0		725,250	750	0	0	0	0	0	0	0	726,000		
2031	1,000,000	1,000,000	0	221	Service Sustainability Investm											
	8,213,000	8,213,000	0		0	0	0	175,000	750,000	750,000	750,000	700,000	0	3,125,000		
Historical Approved Budget				221CF	Committed Funding											
		Revenue			241,750	250	0	0	0	0	0	0	0	242,000		
Year	Total Expense	Net City Cost	Subsidies	Total	967,000	1,000	0	0	700,000	1,390,000	1,005,000	1,750,000	1,400,000	1,000,000	8,213,000	
2020	2,850,000	2,850,000	0													
2021	932,000	932,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	Depending on the final design, there may be increased road and sewer maintenance costs.								0	0		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2016	January 1, 2021	Growth: 75.0 % Maintenance: 25.0 %	Jane He	2032 & Beyond'												



Project Version Summary

Project #	ENG-001-22	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Cameron Ave Storm Trunk Sewer (SMP)		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards			
Version Name	Main (Active)		

Project Description				Version Description												
Construction of new trunk storm sewer with outlet at Detroit River, consisting of 3.0km of storm sewer improvements, separation of existing combined sewers and road reconstruction.				2031: Outlet at Detroit River, Schedule C Municipal Class Environmental Assessment \$800,000 2032+: Phase 1 – Martindale to Detroit River (outlet at Cameron Ave) \$19.0M												
Project Comments/Reference				Version Comments												
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	0	0	0	5410	Construction Contracts - TCA											
2023	0	0	0		0	0	0	0	0	0	0	0	0	800,000	800,000	
2024	0	0	0	Total	0	0	0	0	0	0	0	0	0	800,000	800,000	
2025	0	0	0	Revenues												
2026	0	0	0	028	Sewer Surcharge											
2027	0	0	0		0	0	0	0	0	0	0	0	0	800,000	800,000	
2028	0	0	0	Total	0	0	0	0	0	0	0	0	0	800,000	800,000	
2029	0	0	0													
2030	0	0	0													
2031	800,000	800,000	0													
	800,000	800,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2022		Growth: 0.0 % Maintenance: 0.0 %		Anna Godo					2032 & Beyond							



Project Version Summary

Project #	ENG-002-16	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Improvements to Little River Municipal Drain (Lauzon Rd. to VIA Tracks)		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 6, Ward 7, Ward 8		
Version Name	Main (Active)		

Project Description	Version Description
The Little River municipal drain is the stormwater outlet for 33% of the City's surface area. The section from Lauzon Road to the VIA Rail right-of-way was improved to the current cross-section in 1975. A report exploring options for this section of the river using natural channel design techniques to create a sustainable river corridor was completed in 2012.	2024: Design & Construction - \$265,000 2025: Construction - \$500,000
The intended design features and plantings would create a more sustainable river corridor and control sediment with an off-line pool. On completion of the Environmental Assessment, implementation is required and is proposed as part of this program.	Grant funding programs will be leveraged where possible to assist in offsetting construction costs.

Project Comments/Reference	Version Comments
7201023	

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	0	0	0		0	0	265,000	500,000	0	0	0	0	0	0	765,000
2024	265,000	265,000	0	Total	0	0	265,000	500,000	0	0	0	0	0	0	765,000
2025	500,000	500,000	0	Revenues											
2026	0	0	0	028	Sewer Surcharge										
2027	0	0	0		0	0	10,000	75,000	0	0	0	0	0	0	85,000
2028	0	0	0	117	Dev Chg - Storm & Drains										
2029	0	0	0		0	0	255,000	425,000	0	0	0	0	0	0	680,000
2030	0	0	0	Total	0	0	265,000	500,000	0	0	0	0	0	0	765,000
2031	0	0	0												
	765,000	765,000	0												

Historical Approved Budget			
		Revenue	
Year	Total Expense	Net City Cost	Subsidies
2020	100,000	100,000	0

Related Projects	Operating Budget Impact
	Effective Date Description Exp/(Rev) FTE Impact
	Unknown No Operating Budget Impact 0 0

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2016	January 1, 2020	Growth: 0.0 % Maintenance: 0.0 %	Andrew Dowie	2026`



Project Version Summary

Project #	ENG-002-17	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Bus Bay Program		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description											
These funds are used to cost-share in the construction of school bus bays as per a formula approved through CR383/2009. Bus bay needs are prioritized by a committee of the four school boards as well as Transportation Services.				The school boards have prioritized the following schools: - Forest Glade PLC											
Project Comments/Reference				Version Comments											
7119001															
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Revenue															
Year	Total Expense	Net City Cost	Subsidies												
2022	100,000	100,000	0												
2023	100,000	100,000	0												
2024	100,000	100,000	0												
2025	0	0	0												
2026	0	0	0												
2027	100,000	100,000	0												
2028	100,000	100,000	0												
2029	100,000	100,000	0												
2030	100,000	100,000	0												
2031	50,000	50,000	0												
	750,000	750,000	0												
Historical Approved Budget															
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				Unknown	Depending on the final design, there may be increase road maintenance costs.								0	0	
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2017	January 1, 2022	Growth: 100.0 % Maintenance: 0.0 %		Fahd Mikhael					Ongoing`						



Project Version Summary

Project #	ENG-002-19	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Sewer Master Plan Implementation (SMP)		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>The Sewer and Coastal Flood Protection Master Plan is now complete and will serve as a guiding document to reduce the risk and impact of flooding in the City. An implementation strategy is being developed to align recommendations contained in the SMP with various other City priorities/improvements with overlapping goals.</p>	<p>Work / Action identified by Sewer Master Plan</p> <p>Lauzon Parkway</p> <p>2022 - Construction Placeholders \$3,970,000</p> <p>2023 - Construction Placeholders \$3,970,000</p> <p>2024 - Construction Placeholders \$6,500,000</p> <p>2025 - Construction Placeholders \$890,000</p> <p>Riverside Drive Ph2A – Hawthorn to Cantelon</p> <p>2022 - \$5,000,000</p> <p>2024 - \$5,000,000</p> <p>2026 – \$5,000,000</p> <p>2028 - \$5,000,000</p> <p>2030 - \$100,000</p> <p>St. Rose Stormwater Pumping Station</p> <p>2023 - \$5,000,000</p> <p>2025 - \$5,000,000</p> <p>2027 – \$5,000,000</p> <p>2029 - \$5,000,000</p> <p>2030 - \$4,900,000</p> <p>Collaborative LID Pilot Projects</p> <p>2022 - \$830,000</p> <p>Trunk Sewer Flow Monitoring</p> <p>2022 - \$432,350</p> <p>2025 - \$252,650</p> <p>Locate & Mitigate Inflow & Infiltration in Existing Neighbourhoods</p> <p>2022 - \$528,429</p> <p>2025 - \$301,571</p> <p>Unallocated</p> <p>2025-2031 -remaining from above will be outlined through the Sewer Implementation Prioritization</p> <p>2032+ \$5.0 Billion</p>

Project Comments/Reference				Version Comments														
7199004, 7201032, 7201034, 7201035, 7201036, 7196000, 7219002, 7211017, 7219003, 7211018				<p>COMMITMENTS: B13/2021, C 5/2021: \$5,000,000 F028 2020-2025 B13/2021, C 5/2021: \$5,000,000 F028 2026-2030 to be approved and that once funding for each year is within 5 years is pre-committed and available for immediate use. B32/2021 C 161/2021: Collaborative LID Pilot Projects - 2022 F028 \$830,000</p> <p>PLACEHOLDER: CR379/2020 - C 127/2020: F153 2021 \$530,000 (year-end allocation from F028) - F028 \$3,970,000 2022 - \$3,970,000 2023 - \$6,500,000 2024 - \$890,000 2025 - To be leveraged as the City's matching portion of a grant, should any grant opportunities become available for this project B32/2021 - C 161/2021: 1. Trunk Sewer flow Monitoring - 2022 F028 \$432,350 - 2025 F028 \$81,400 - 2025 F221 \$171,250 2. Locate and Mitigate Inflow & Infiltration of Existing Neighbourhoods - 2022 F028 \$528,429 - 2025 F028 \$94,071 - 2025 F221 \$207,500. Should the "Research and Knowledge Initiative Grant be unsuccessful funding will be reallocated to Capital Project 7199004 - SMP Implementation.</p> <p>Note: As part of this Capital Budget submission, Administration is requesting Council's approval to transfer funding between each of SMP - funded project ids within PeopleSoft.</p>														
Project Forecast				Project Detailed Forecast														
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total			
Year	Total Expense	Net City Cost	Subsidies	Expenses														
2022	10,760,779	10,760,779	0	2915	Consulting Services - External													
2023	8,970,000	8,970,000	0		5,760,779	3,970,000	6,500,000	4,793,221	0	169,680	0	730,320	0	0	21,924,000			
2024	11,500,000	11,500,000	0	5410	Construction Contracts - TCA													
2025	9,793,221	9,793,221	0		5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	0	45,000,000			
2026	5,000,000	5,000,000	0	Total				10,760,779	8,970,000	11,500,000	9,793,221	5,000,000	5,169,680	5,000,000	5,730,320	5,000,000	0	66,924,000
2027	5,169,680	5,169,680	0	Revenues														
2028	5,000,000	5,000,000	0	028	Sewer Surcharge													
2029	5,730,320	5,730,320	0		960,779	0	0	2,610,000	0	0	0	0	0	0	0	3,570,779		
2030	5,000,000	5,000,000	0	028CF	Committed Funding													
2031	0	0	0		9,800,000	8,970,000	11,500,000	5,890,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	0	61,160,000			
66,924,000		66,924,000	0	169	Pay As You Go - Capital Reserve													
Historical Approved Budget					0	0	0	0	0	0	0	0	0	0	0			
Year	Total Expense	Net City Cost	Subsidies	221	Service Sustainability Investm													
2019	4,812,249	4,812,249	0		0	0	0	914,471	0	169,680	0	730,320	0	0	1,814,471			
2020	10,250,000	10,250,000	0	221CF	Committed Funding													
2021	8,970,000	8,970,000	0		0	0	0	378,750	0	0	0	0	0	0	378,750			
				Total				10,760,779	8,970,000	11,500,000	9,793,221	5,000,000	5,169,680	5,000,000	5,730,320	5,000,000	0	66,924,000
Related Projects				Operating Budget Impact														
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date														
2019	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Anna Godo	Ongoing														



Project Version Summary

Project #	ENG-002-22	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Jefferson Drainage Area (SMP)		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards			
Version Name	Main (Active)		

Project Description				Version Description											
Construction of separated storm and sanitary sewers including trunk and storage systems to reduce surface and basement flooding risks in the Edgar St sanitary trunk sewer service area, includes Jefferson Pump Station Drainage Area. Recommendations were refined in the SMP. Phasing plan to be developed in 2022 with phase 1 construction in 2023 – limits to be determined.				2024-2026: Phase 2 Construction of improvements per phasing plan to be identified in 2022 - \$3.0M 2032+: Phase 2 Construction of improvements - \$830,000 Remaining phases as identified in the Sewer Master Plan – 161.0M											
Project Comments/Reference				Version Comments											
Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	0	0	0		0	0	324,498	1,037,751	1,637,751	0	0	0	0	0	3,000,000
2024	324,498	324,498	0	Total	0	0	324,498	1,037,751	1,637,751	0	0	0	0	0	3,000,000
2025	1,037,751	1,037,751	0	Revenues											
2026	1,637,751	1,637,751	0	028	Sewer Surcharge										
2027	0	0	0		0	0	324,498	1,037,751	1,637,751	0	0	0	0	0	3,000,000
2028	0	0	0	221	Service Sustainability Investm										
2029	0	0	0		0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0	Total	0	0	324,498	1,037,751	1,637,751	0	0	0	0	0	3,000,000
2031	0	0	0												
	3,000,000	3,000,000	0												
Historical Approved Budget				Operating Budget Impact											
Related Projects															
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2022		Growth: 0.0 % Maintenance: 0.0 %	Ian Wilson	2032 & Beyond											



Project Version Summary

Project #	ENG-003-13	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Sixth Concession Municipal Drain - Land Acquisition & Capital Improvements		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description				Version Description												
Sixth Concession Drain provides the storm water outlet to over 900 hectares of land within the City of Windsor via approx. 4.5 km of open channel plus 1.4 km of piped drain/sewer. The condition of Baseline Road and the municipal drain along Baseline Road required emergency repairs that were completed. Future maintenance and remediation is required to maintain service.				2022: Priority 1 and 2: Hayes Drain Outlet Realignment and 9th Concession to Little River Outlet - \$535,000 2023: Priority 3 and 4: 8th Concession Road to 9th Concession Road - \$485,000 2024: Priority 5: 7th Concession Road to 8th Concession Road - \$361,000												
Project Comments/Reference				Version Comments												
7131002																
Project Forecast				Project Detailed Forecast												
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Net City Cost	Subsidies	Expenses												
2022	535,000	535,000	0	5410 Construction Contracts - TCA												
2023	485,000	485,000	0		535,000	485,000	361,000	0	0	0	0	0	0	0	1,381,000	
2024	361,000	361,000	0	Total	535,000	485,000	361,000	0	0	0	0	0	0	0	1,381,000	
2025	0	0	0	Revenues												
2026	0	0	0	028 Sewer Surcharge												
2027	0	0	0		535,000	485,000	361,000	0	0	0	0	0	0	0	1,381,000	
2028	0	0	0	Total	535,000	485,000	361,000	0	0	0	0	0	0	0	1,381,000	
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
1,381,000		1,381,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2013	375,000	375,000	0													
2015	400,000	400,000	0													
2018	150,000	150,000	0													
2019	200,000	200,000	0													
2020	500,000	500,000	0													
2021	200,000	200,000	0													

Related Projects			Operating Budget Impact	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2013	January 1, 2013	Growth: 50.0 % Maintenance: 50.0 %	Adam Mourad	2024`
			Effective Date	Description
			Unknown	Depending on the final design, there may be decreased drain maintenance costs.
			Exp/(Rev)	FTE Impact
			0	0



Project Version Summary

Project #	ENG-003-19	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Sandwich South Lands - Engineering Studies		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description				Version Description												
The Sandwich South Master Servicing Plan (SSMSP) is ongoing and has identified several additional Municipal Class EA's required for the area as development starts to proceed. Additional projects will be added following the completion of the SSMP which is anticipated by the end of 2021.				2028: \$200,000 - 7th Concession Road Environmental Assessment \$200,000 - 8th Concession Road Environmental Assessment \$140,000 - 9th Concession Road Environmental Assessment 2029: \$60,000 - 9th Concession Road Environmental Assessment \$300,000 - Baseline Road Environmental Assessment \$330,000 - County Road 17 Environmental Assessment 2031: \$345,000 – Additional Studies												
Project Comments/Reference				Version Comments												
7192000																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue	Subsidies	Expenses												
		Net City Cost		2915	Consulting Services - External											
2022	0	0	0		0	0	0	0	0	0	540,000	690,000	0	345,000	1,575,000	
2023	0	0	0		0	0	0	0	0	0	540,000	690,000	0	345,000	1,575,000	
2024	0	0	0		0	0	0	0	0	0	540,000	690,000	0	345,000	1,575,000	
2025	0	0	0	Revenues												
2026	0	0	0	028	Sewer Surcharge											
2027	0	0	0		0	0	0	0	0	0	0	123,000	0	345,000	468,000	
2028	540,000	540,000	0	115	Dev Chg - Roads & Related											
2029	690,000	690,000	0		0	0	0	0	0	240,000	252,000	0	0	492,000		
2030	0	0	0	116	Dev Chg - Sanitary/Pollution											
2031	345,000	345,000	0		0	0	0	0	0	150,000	157,500	0	0	307,500		
	1,575,000	1,575,000	0	117	Dev Chg - Storm & Drains											
					0	0	0	0	0	150,000	157,500	0	0	307,500		
				Total	0	0	0	0	0	540,000	690,000	0	345,000	1,575,000		
Historical Approved Budget																
Year	Total Expense	Revenue	Subsidies													
		Net City Cost														
2019	1,000,000	1,000,000	0													
2020	1,300,000	1,300,000	0													
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												

2019	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Pat Winters	2032 & Beyond
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Project Version Summary

Project #	ENG-005-17	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Central Box EA Road and Infrastructure Improvements (SMP)		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 9, Ward 10		
Version Name	Main (Active)		

Project Description	Version Description
<p>The Central Box EA (2017) proposes road and infrastructure improvements to an area bounded by Eugenie St. to the north, Howard Ave. to the east, West Grand / South Cameron to the south, and Dominion Blvd. to the west.</p> <p>This project merges the following programs into one: ENG-005-17 - Central Box EA Road and Infrastructure Improvements ENG-024-17 - Northwood / Dominion Intersection Improvements</p> <p>The Dominion work is anticipated to start construction in 2022 from Northwood to Ojibway.</p>	<p>2022: Construction - Dougall Rd CN Underpass - \$400,000 Construction - Dominion - Northwood to Ojibway- \$1,000,000 Design & Construction - ICIP- Dougall Bike lanes & Sidewalks - \$700,000</p> <p>2023: Construction - Dougall Rd CN Underpass - \$3,560,000</p> <p>2024: Engineering / Land Acquisition / Utility Relocation / Construction, Dominion - Northwood to Ojibway - \$3,200,000</p> <p>2025: Construction - Dominion - Northwood to Ojibway - \$300,000</p> <p>2026: Construction - Dominion - Northwood to Ojibway - \$500,000</p> <p>2027: Engineering / Land Acquisition / Utility Relocation, Dominion - Ojibway to Totten - \$298,520</p> <p>2028: Engineering / Land Acquisition / Utility Relocation, Dominion - Ojibway to Totten - \$3,201,480</p> <p>2029: Construction, Dominion - Ojibway to Totten - \$1,250,000</p> <p>2030: Construction, Dominion - Ojibway to Totten - \$500,000</p> <p>2031: Construction, Dominion – Ojibway to Totten - \$1,550,000</p> <p>2032+: Phased Engineering / Utility Relocation / Construction - \$73,580,000</p>
Project Comments/Reference	Version Comments
<p>As part of the Central Box EA, works related to both the Dougall Avenue-Ouellette Place intersection, along with a new East-West Connection, be made a priority. The works related to the Dougall Avenue-Ouellette Place intersection have been identified as part of the 2019, 7-year Capital Plan. Other works identified in the EA were not prioritized and remain in the 2026+ timeframe at this time.</p> <p>7161061, 7171084, 7203004</p>	<p>COMMITMENT: CR172/2019 - C 38/2019 - (7161061): 2022 F176 \$400,000 - 2023 F169 \$2,370,000 - 2023 F176 \$400,000 - 2023 F221 \$750,000 CR303/2019 - C 122/2019 - (7181084): 2021 F169 \$225,000 - 2021 F176 \$1,000,000 - 2021 F221 \$75,000 - 2022 F176 \$1,000,000 CR248/2019 - C 79/2019 - ICIP Public Transit (ICIP-WIN-002 - 7203004): 2022 F169 \$525,000 - 2022 F221 \$175,000</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	2,100,000	2,100,000	0	5410	Construction Contracts - TCA											
2023	3,560,000	3,560,000	0		2,100,000	3,560,000	3,200,000	300,000	500,000	298,520	3,201,480	1,250,000	500,000	1,550,000	16,460,000	
2024	3,200,000	3,200,000	0		Total	2,100,000	3,560,000	3,200,000	300,000	500,000	298,520	3,201,480	1,250,000	500,000	1,550,000	16,460,000
2025	300,000	300,000	0			0										
2026	500,000	500,000	0		Revenues											
2027	298,520	298,520	0	169	Pay As You Go - Capital Reserve											
2028	3,201,480	3,201,480	0		0	0	1,925,000	225,000	375,000	276,520	1,723,480	500,000	500,000	1,550,000	7,075,000	
2029	1,250,000	1,250,000	0	169CF	Committed Funding											
2030	500,000	500,000	0		525,000	2,370,000	0	0	0	0	0	0	0	0	2,895,000	
2031	1,550,000	1,550,000	0	176CF	Committed Funding											
	16,460,000	16,460,000	0		1,400,000	400,000	0	0	0	0	0	0	0	0	1,800,000	
Historical Approved Budget				221	Service Sustainability Investm											
					0	0	1,275,000	75,000	125,000	22,000	1,478,000	750,000	0	0	3,725,000	
				221CF	Committed Funding											
					175,000	790,000	0	0	0	0	0	0	0	0	965,000	
2019	1,722,000	1,722,000	0		Total	2,100,000	3,560,000	3,200,000	300,000	500,000	298,520	3,201,480	1,250,000	500,000	1,550,000	16,460,000
2020	500,000	500,000	0			0										
2021	2,743,891	2,650,000	93,891													
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	Depending on the final design, there may be increased road and bicycle facility maintenance costs.								0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2017	January 1, 2019	Growth: 75.0 % Maintenance: 25.0 %		Aojeen Issac / June Liu-Vajko					2032 & Beyond							



Project Version Summary

Project #	ENG-005-19	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Enhanced Flooding Mitigation Program - DMAF 1		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 6		
Version Name	Main (Active)		

Project Description	Version Description
<p>A series of major sewer-related projects, estimated to cost \$89,784,560, has been identified through work related to the ongoing Sewer Master Plan which can help reduce the likelihood of flooding. The Federal government, through the Disaster Mitigation and Adaptation Fund, is anticipated to fund \$32,090,691 of the work, or 40% of the eligible costs, WUC Recoveries are anticipated to be \$2,412,869, City funding is for the remaining \$55,281,000.</p>	<p>Individual Project budgets are subject to change per executive committee. Below are listing of projects.</p> <ul style="list-style-type: none"> - Matthew Brady - Edgar / Tranby (Phase 2) - Belle Isle View - Wyandotte / St. Rose (Phase 1) - Belle Isle View - St. Rose / Edgar (Phase 2) - Eastlawn - Wyandotte E / Edgar - Matthew Brady - Wyandotte E / St. Rose (Phase 3) - East Marsh Road Drainage Redirection - Tranby Road & Park: - Riverside Vista, Phase 2A - Cedarview Relief Sewer - Bellperche Trunk Sewer - Brumpton Park Underground Storage: - St. Paul Pump Station Expansion - East Marsh Pump Station Improvements: - LRPCP Overflow Improvement: - Flow Monitoring - General City Sewer Rehabilitation Projects
Project Comments/Reference	Version Comments
<p>7171005, 7171009, 7181007, 7191025, 7191035, 7191034, 7196000, 7191038, 7205000, 7205001, 7215001, 7215000, 7215002, 7225000</p>	<p>COMMMITMENT: CR380/2018 - C 119/2018: 2022 F028 \$1,093,464 - 2022 F028 \$192,990 - 2022 F028 \$463,546 - 2023 F028 \$2,000,000 - 2024 - F028 \$6,550,000 - 2025 F028 \$6,550,000 CR695/2017 - C 190/2017: 2022 F169 \$250,000 - 2022 F221 \$750,000 - 2023 F169 \$837,500 - 2023 F221 \$2,512,500 - 2024 F169 \$928,750 - 2024 F221 \$2,786,250 PLACEHOLDER: CR380/2018 - C 119/2018: 2026 - 2028 F028 \$6,550,000 approved for immediate use once the funding year falls within 5 years. Note: B57/2020 - C 198/2019: Administration is requesting Council approval to transfer funding between each of DMAF-funded project ids within Peoplesoft, subject to approval of the DMAF Executive Committee.</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	8,670,440	2,750,000	5,920,440	5410	Construction Contracts - TCA											
2023	9,055,038	5,350,000	3,705,038		8,670,440	9,055,038	15,557,094	13,174,958	9,824,443	6,660,923	7,065,046	0	0	0	70,007,942	
2024	15,557,094	10,265,000	5,292,094		Total	8,670,440	9,055,038	15,557,094	13,174,958	9,824,443	6,660,923	7,065,046	0	0	0	70,007,942
2025	13,174,958	6,550,000	6,624,958			0										
2026	9,824,443	6,550,000	3,274,443	Revenues												
2027	6,660,923	6,550,000	110,923	028CF	Committed Funding											
2028	7,065,046	6,550,000	515,046		1,750,000	2,000,000	6,550,000	6,550,000	6,550,000	6,550,000	6,550,000	0	0	0	36,500,000	
2029	0	0	0	169CF	Committed Funding											
2030	0	0	0		250,000	837,500	928,750	0	0	0	0	0	0	0	2,016,250	
2031	0	0	0	221CF	Committed Funding											
	70,007,942	44,565,000	25,442,942		750,000	2,512,500	2,786,250	0	0	0	0	0	0	0	6,048,750	
Historical Approved Budget				6320	Canada Specific Grants											
					5,614,974	3,570,523	5,071,323	6,490,443	3,274,443	110,923	515,046	0	0	0	24,647,675	
				6735	Recovery Of Expenses EXTERNAL											
					305,466	134,515	220,771	134,515	0	0	0	0	0	0	795,267	
					Total	8,670,440	9,055,038	15,557,094	13,174,958	9,824,443	6,660,923	7,065,046	0	0	0	70,007,942
						0										
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2019	January 1, 2017	Growth: 8.7 % Maintenance: 91.3 %		Various					2028`							



Project Version Summary

Project #	ENG-005-21	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	East West Arterial Drain Diversion		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description				Version Description												
This project deals with the re-alignment of several existing municipal drains by creating a new municipal drain approximately 3km's in length within the corridor established adjacent to the proposed East/West Arterial Road under the Lauzon Parkway EA, the Upper Little River Stormwater Management Master Plan, and most recently under the Sandwich South Master Servicing Plan. The project limits are 7th Concession to Little River. This project needs to proceed in advance of significant development occurring within the East Pelton Secondary Plan area.				2022-2025: Construction of drain diversion and required road crossings - \$8,000,000												
Project Comments/Reference				Version Comments												
7215004																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	2,000,000	2,000,000	0													
2023	2,000,000	2,000,000	0													
2024	2,000,000	2,000,000	0													
2025	2,000,000	2,000,000	0													
2026	0	0	0													
2027	0	0	0													
2028	0	0	0													
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	8,000,000	8,000,000	0													
Historical Approved Budget				Revenues												
Year	Total Expense	Net City Cost	Subsidies													
2021	4,000,000	4,000,000	0													
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												

2021		Growth: 100.0 % Maintenance: 0.0 %	Pat Winters	2026`
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Project Version Summary

Project #	ENG-005-22	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	DMAF 4 Large-Scale Stream Retention Treatment Basin LRWRP		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards			
Version Name	Main (Active)		

Project Description	Version Description
The West Windsor Retention Treatment Basin (RTB) will reduce the risk of basement flooding across the Lou Romano Water Reclamation Plant (LRWRP) drainage area during extreme precipitation events and meet the Ministry's Procedure F-5-5 for combined sewer overflows (CSO) requirements. A series of RTB-related projects have been identified through the Windsor Riverfront West CSO Control "Schedule C" Class EA Environmental Study Report, and confirmed by the approved Sewer Master Plan. Project was submitted as part of Disaster Mitigation and Adaptation Fund (DMAF) Intake 4. If approved, the Federal government, through the Disaster Mitigation and Adaptation Fund, is anticipated to fund \$32,740,800 of the work, or 40% of the eligible costs, City funding is for the remaining \$55,800,000.	Individual Project budgets are subject to change per executive committee. Below are listing of projects. - CSO Collector Sewer and upgrades Interceptor Chambers - Pumping Station to raise flow from CSO Collector Sewer to RTB - Retention Treatment Basin at LRWRP - Outfall Sewer from RTB to Detroit River

Project Comments/Reference	Version Comments
	PLACEHOLDER: CR454/2021 C138/2021: F028 2027 \$3,751,701 - 2028 \$5,887,751 - 2029 \$6,987,751 and \$1,600,000 - 2030 \$6,987,751 & \$5,000,000 - 2031 \$12,000,000 - 2032 \$13,585,046

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	2951 INTERNAL Service Salary Allocn											
2023	0	0	0		0	0	0	0	0	3,751,701	5,887,751	8,587,751	11,987,751	12,000,000	42,214,954
2024	0	0	0	Total	0	0	0	0	0	3,751,701	5,887,751	8,587,751	11,987,751	12,000,000	42,214,954
2025	0	0	0	Revenues											
2026	0	0	0	028CF Committed Funding											
2027	3,751,701	3,751,701	0		0	0	0	0	0	3,751,701	5,887,751	8,587,751	11,987,751	12,000,000	42,214,954
2028	5,887,751	5,887,751	0	Total	0	0	0	0	0	3,751,701	5,887,751	8,587,751	11,987,751	12,000,000	42,214,954
2029	8,587,751	8,587,751	0												
2030	11,987,751	11,987,751	0												
2031	12,000,000	12,000,000	0												
	42,214,954	42,214,954	0												

Historical Approved Budget	
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Related Projects	Operating Budget Impact

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2022		Growth: 0.0 % Maintenance: 0.0 %	Anna Godo	2032`



Project Version Summary

Project #	ENG-006-20	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Local Improvement Program		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
This project funds Local Improvements related to roads, alleys, sidewalks, street-lighting and sewers.				<p>Projects are selected in a priority basis and as per report C 131/2019 approved by council. They are selected based on condition ratings and prioritized installation of new sanitary sewers in un-served areas.</p> <p>2022: Jarvis Ave. Storm Sewer - Castle Hill South Baseline Road Sanitary Sewer Improvements - 7th to 8th Concession Road</p> <p>2023 - 2031: \$12,625,000 - Project list in progress</p>												
Project Comments/Reference				Version Comments												
7171002, 7111012, 7159000, 7191008, 7161015, 7221039																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Expenses												
		Net City Cost	Subsidies	5410	Construction Contracts - TCA											
2022	1,670,000	1,520,000	150,000		1,670,000	28,000	3,015,000	1,050,000	2,087,000	1,250,000	1,550,000	1,295,000	1,100,000	1,250,000	14,295,000	
2023	28,000	28,000	0													
2024	3,015,000	2,734,280	280,720		Total	1,670,000	28,000	3,015,000	1,050,000	2,087,000	1,250,000	1,550,000	1,295,000	1,100,000	1,250,000	14,295,000
2025	1,050,000	919,280	130,720			0										
2026	2,087,000	1,837,000	250,000	Revenues												
2027	1,250,000	1,000,000	250,000	028	Sewer Surcharge											
2028	1,550,000	1,250,000	300,000		1,000,000	0	1,895,562	545,562	500,000	500,000	750,000	750,000	750,000	500,000	7,191,124	
2029	1,295,000	1,145,000	150,000	160	Capital Expenditure Reserve											
2030	1,100,000	950,000	150,000		0	0	0	50,000	0	0	0	0	0	0	50,000	
2031	1,250,000	1,100,000	150,000	169	Pay As You Go - Capital Reserve											
14,295,000	12,483,560	1,811,440			250,000	0	23,718	323,718	450,000	0	200,000	95,000	200,000	300,000	1,842,436	
Historical Approved Budget				221	Service Sustainability Investm											
		Revenue			270,000	28,000	815,000	0	887,000	500,000	300,000	300,000	0	300,000	3,400,000	
Year	Total Expense	Net City Cost	Subsidies	6735	Recovery Of Expenses EXTERNAL											
2020	1,944,800	1,594,800	350,000		150,000	0	280,720	130,720	250,000	250,000	300,000	150,000	150,000	150,000	1,811,440	
2021	3,850,000	3,569,280	280,720		Total	1,670,000	28,000	3,015,000	1,050,000	2,087,000	1,250,000	1,550,000	1,295,000	1,100,000	1,250,000	14,295,000
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date								

2020	January 1, 2020	Growth: 83.8 % Maintenance: 16.2 %	Adam Mourad	Ongoing`
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Project Version Summary

Project #	ENG-006-21	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	7th, 8th and 9th Concession Road Improvements		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description				Version Description												
This project deals with upgrades needed to the existing Concession Roads within the Sandwich South Lands in order to support new growth anticipated to occur within the area. Required improvements have been identified within the Sandwich South Master Servicing Plan, as well as in the Sandwich South Development Charges Study.				2028: Phase 1a detailed design and construction - \$5,000,000 Phase 1b detailed design and construction - \$3,000,000 2029: Phase 1a detailed design and construction - \$5,500,000 Phase 1b detailed design and construction - \$3,000,000 2030: Phase 1a detailed design and construction - \$5,500,000 Phase 1b detailed design and construction - \$3,000,000												
Phase 1a – 7th Concession from CR 42 to new East/West Arterial Phase 1b – 9th Concession from CR 42 to Baseline Road																
Project Comments/Reference				Version Comments												
7221037																
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	500,000	500,000	0	5410	Construction Contracts - TCA											
2023	0	0	0		500,000	0	0	0	0	0	8,000,000	8,500,000	8,500,000	0	25,500,000	
2024	0	0	0		Total	500,000	0	0	0	0	8,000,000	8,500,000	8,500,000	0	25,500,000	
2025	0	0	0	Revenues												
2026	0	0	0	115	Dev Chg - Roads & Related											
2027	0	0	0		500,000	0	0	0	0	0	8,000,000	8,500,000	8,500,000	0	25,500,000	
2028	8,000,000	8,000,000	0		Total	500,000	0	0	0	0	8,000,000	8,500,000	8,500,000	0	25,500,000	
2029	8,500,000	8,500,000	0													
2030	8,500,000	8,500,000	0													
2031	0	0	0													
	25,500,000	25,500,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2021		Growth: 100.0 % Maintenance: 0.0 %	Pat Winters	2031`												



Project Version Summary

Project #	ENG-006-22	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	DMAF 4 Small-Scale Stream South Windsor Sanitary Sub-Trunk Sewers		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards			
Version Name	Main (Active)		

Project Description	Sanitary sub-trunk sewer projects in South Windsor have been identified in the approved Sewer Master Plan. These projects can help reduce the likelihood of basement flooding in South Windsor. This project was submitted as part of Disaster Mitigation and Adaptation Fund (DMAF) Intake 4. If approved, the Federal government is anticipated to fund \$6,677,400 of the work, or 40% of the eligible costs, City funding is for the remaining \$11,300,000.	Version Description	Individual Project budgets are subject to change per executive committee. Below are listing of projects. - Dominion Blvd (West Grand Blvd to Roselawn Dr) and Roselawn Dr. (Dominion Blvd to Morris Dr) - Woodland Ave (West Grand Blvd to Roselawn Dr)
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Project Comments/Reference		Version Comments	PLACEHOLDER: CR454/2021 C 138/2021: DMAF 4 GRANT - F028 2026 \$2,500,000 - 2027 \$7,700,000 - 2028 \$1,100,000 Options 2 Trunk Sewers South Windsor submitted for Small Scale Projects.
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Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		<u>Net City Cost</u>	<u>Subsidies</u>	Expenses											
2022	0	0	0	2951 INTERNAL Service Salary Allocn	0	0	0	0	2,500,000	7,700,000	1,100,000	0	0	0	11,300,000
2023	0	0	0												
2024	0	0	0	Total	0	0	0	0	2,500,000	7,700,000	1,100,000	0	0	0	11,300,000
2025	0	0	0	Revenues											
2026	2,500,000	2,500,000	0	028CF Committed Funding	0	0	0	0	2,500,000	7,700,000	1,100,000	0	0	0	11,300,000
2027	7,700,000	7,700,000	0												
2028	1,100,000	1,100,000	0	Total	0	0	0	0	2,500,000	7,700,000	1,100,000	0	0	0	11,300,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	11,300,000	11,300,000	0												

Historical Approved Budget	
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Related Projects		Operating Budget Impact	
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Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2023		Growth: 0.0 % Maintenance: 0.0 %	Anna Godo	2028



Project Version Summary

Project #	ENG-007-21	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	9th Concession- Trunks Sanitary Sewer		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 9		
Version Name	Main (Active)		

Project Description				Version Description											
A trunk sanitary sewer servicing the overall Sandwich South Lands was installed in 2011 under ISF funding. This project relates to the installation of sub-trunk sanitary sewers needed to service the entire area as identified under the Sandwich South Master Servicing Plan.				2029-2030: Phase 1 detailed design and construction costs - \$3,000,000											
Phase 1 – 9th Concession – CR 42 to Baseline Road															
Project Comments/Reference				Version Comments											
Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	0	0	0		0	0	0	0	0	0	0	2,000,000	1,000,000	0	3,000,000
2024	0	0	0	Total	0	0	0	0	0	0	0	2,000,000	1,000,000	0	3,000,000
2025	0	0	0	Revenues											
2026	0	0	0	028	Sewer Surcharge										
2027	0	0	0		0	0	0	0	0	0	0	2,000,000	1,000,000	0	3,000,000
2028	0	0	0	Total	0	0	0	0	0	0	0	2,000,000	1,000,000	0	3,000,000
2029	2,000,000	2,000,000	0												
2030	1,000,000	1,000,000	0												
2031	0	0	0												
	3,000,000	3,000,000	0												
Historical Approved Budget															
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2021		Growth: 0.0 % Maintenance: 0.0 %		Pat Winters					2031`						



Project Version Summary

Project #	ENG-009-21	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Inflow & Infiltration Program (SMP)		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																																																										
This project will support the implementation of new measures relevant to inflow and infiltration reduction activities including, but not limited to, manhole sealing, proactive smoke and dye testing, and new project/technology trials. Funds may also be used to support Private Drain Connection rebates in Downspout Disconnection Areas where required. This annual funding will support smaller I/I initiatives to reduce stormwater, while larger initiatives will be part of dedicated budgets.				Annual funding will support smaller I/I initiatives																																																																																																																																																																																																																																																										
Project Comments/Reference				Version Comments																																																																																																																																																																																																																																																										
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				<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="4">Revenue</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> <th>GL Account</th> <th colspan="12"></th> </tr> </thead> <tbody> <tr> <td colspan="4"></td> <td colspan="13">Expenses</td> </tr> <tr> <td>2022</td> <td>125,000</td> <td>125,000</td> <td>0</td> <td>5410 Construction Contracts - TCA</td> <td colspan="12"></td> </tr> <tr> <td>2023</td> <td>175,000</td> <td>175,000</td> <td>0</td> <td></td> <td>125,000</td> <td>175,000</td> <td>175,000</td> <td>175,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>1,850,000</td> </tr> <tr> <td>2024</td> <td>175,000</td> <td>175,000</td> <td>0</td> <td>Total</td> <td>125,000</td> <td>175,000</td> <td>175,000</td> <td>175,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>1,850,000</td> </tr> <tr> <td>2025</td> <td>175,000</td> <td>175,000</td> <td>0</td> <td colspan="13">Revenues</td> </tr> <tr> <td>2026</td> <td>200,000</td> <td>200,000</td> <td>0</td> <td>028 Sewer Surcharge</td> <td colspan="12"></td> </tr> <tr> <td>2027</td> <td>200,000</td> <td>200,000</td> <td>0</td> <td></td> <td>125,000</td> <td>175,000</td> <td>175,000</td> <td>175,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>1,850,000</td> </tr> <tr> <td>2028</td> <td>200,000</td> <td>200,000</td> <td>0</td> <td>Total</td> <td>125,000</td> <td>175,000</td> <td>175,000</td> <td>175,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>1,850,000</td> </tr> <tr> <td>2029</td> <td>200,000</td> <td>200,000</td> <td>0</td> <td colspan="13"></td> </tr> <tr> <td>2030</td> <td>200,000</td> <td>200,000</td> <td>0</td> <td colspan="13"></td> </tr> <tr> <td>2031</td> <td>200,000</td> <td>200,000</td> <td>0</td> <td colspan="13"></td> </tr> <tr> <td colspan="2">1,850,000</td> <td>1,850,000</td> <td>0</td> <td colspan="13"></td> </tr> </tbody> </table>															Revenue				2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Year	Total Expense	Net City Cost	Subsidies	GL Account																	Expenses													2022	125,000	125,000	0	5410 Construction Contracts - TCA													2023	175,000	175,000	0		125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,850,000	2024	175,000	175,000	0	Total	125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,850,000	2025	175,000	175,000	0	Revenues													2026	200,000	200,000	0	028 Sewer Surcharge													2027	200,000	200,000	0		125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,850,000	2028	200,000	200,000	0	Total	125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,850,000	2029	200,000	200,000	0														2030	200,000	200,000	0														2031	200,000	200,000	0														1,850,000		1,850,000	0													
		Revenue				2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total																																																																																																																																																																																																																																														
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2022	125,000	125,000	0	5410 Construction Contracts - TCA																																																																																																																																																																																																																																																										
2023	175,000	175,000	0		125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,850,000																																																																																																																																																																																																																																														
2024	175,000	175,000	0	Total	125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,850,000																																																																																																																																																																																																																																														
2025	175,000	175,000	0	Revenues																																																																																																																																																																																																																																																										
2026	200,000	200,000	0	028 Sewer Surcharge																																																																																																																																																																																																																																																										
2027	200,000	200,000	0		125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,850,000																																																																																																																																																																																																																																														
2028	200,000	200,000	0	Total	125,000	175,000	175,000	175,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,850,000																																																																																																																																																																																																																																														
2029	200,000	200,000	0																																																																																																																																																																																																																																																											
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2031	200,000	200,000	0																																																																																																																																																																																																																																																											
1,850,000		1,850,000	0																																																																																																																																																																																																																																																											
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				<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="4">Revenue</th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> <th colspan="9"></th> </tr> </thead> <tbody> <tr> <td>2021</td> <td>125,000</td> <td>125,000</td> <td>0</td> <td colspan="9"></td> </tr> </tbody> </table>															Revenue				Year	Total Expense	Net City Cost	Subsidies										2021	125,000	125,000	0																																																																																																																																																																																																																							
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Related Projects				Operating Budget Impact																																																																																																																																																																																																																																																										
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date																																																																																																																																																																																																																																																										

2021		Growth: 0.0 % Maintenance: 100.0 %	Andrew Dowie	Ongoing`
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Project Version Summary

Project #	ENG-012-20	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Capital Improvements to East Riverside Flood Protection Dikes (SMP)		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 6, Ward 7		
Version Name	Main (Active)		

Project Description	Version Description
East Riverside Flood Protection Dikes were constructed along Riverside Drive from St. Rose Beach to the City boundary with the Town of Tecumseh in the 1980's. The dike system was intended to provide vital flood protection for areas potentially affected inland as far as the Via Rail corridor. The issue of flooding has increasingly become a major concern with the recent return of record high water levels on Lake St Clair. Through an FCM MCIP grant, an inventory of the existing 6km dike system and review of the existing storm sewer system identified deficiencies where the system is vulnerable to overtopping and bypassing. The East Riverside Flood Risk Assessment was completed in 2019. The infrastructure requires improvements in order to address the vulnerabilities to mitigate the risk of overland flooding.	2029: Priority 1 - Backflow prevention measures where the storm sewer system crosses under the diking system \$1.6M Priority 2 - Phased dike improvements for area west of Little River \$799,680 2030: Priority 2 - Phased dike improvements for area west of Little River \$3,200,320 2031: Priority 2 - Phased dike improvements for area west of Little River \$1,000,000 2032+: Priority 2 - Phased dike improvements for area west of Little River \$4.4M Priority 3 - Phased dike improvements for area east of Little River \$10.0M

Project Comments/Reference	Version Comments

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies												
2022	0	0	0	Expenses											
2023	0	0	0	5410	Construction Contracts - TCA										
2024	0	0	0		0	0	0	0	0	0	0	2,399,680	3,200,320	1,000,000	6,600,000
2025	0	0	0		0	0	0	0	0	0	0	2,399,680	3,200,320	1,000,000	6,600,000
2026	0	0	0		0	0	0	0	0	0	0	2,399,680	3,200,320	1,000,000	6,600,000
2027	0	0	0		0	0	0	0	0	0	0	2,399,680	3,200,320	1,000,000	6,600,000
2028	0	0	0		0	0	0	0	0	0	0	2,399,680	3,200,320	1,000,000	6,600,000
2029	2,399,680	2,399,680	0	Revenues											
2030	3,200,320	3,200,320	0	028	Sewer Surcharge										
2031	1,000,000	1,000,000	0		0	0	0	0	0	0	0	0	0	1,000,000	1,000,000
				169	Pay As You Go - Capital Reserve										
					0	0	0	0	0	0	0	0	0	0	1,320,320
				221	Service Sustainability Investm										
					0	0	0	0	0	0	0	2,399,680	1,880,000	0	4,279,680
					0	0	0	0	0	0	0	2,399,680	3,200,320	1,000,000	6,600,000
	6,600,000	6,600,000	0	Total	0	0	0	0	0	0	0	2,399,680	3,200,320	1,000,000	6,600,000

Historical Approved Budget	
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Related Projects	Operating Budget Impact

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
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2020	January 1, 2020	Growth: 0.0 % Maintenance: 0.0 %	Anna Godo	2032 & Beyond
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Project Version Summary

Project #	ENG-013-20	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Sandwich St. Sewer Rehabilitation		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	Ward 2		
Version Name	Main (Active)		

Project Description	Version Description
As part of the Gordie Howe International Bridge (GHIB) Project, \$12 million will be invested by the Federal government into road improvements to Sandwich Street. Additionally, \$13.8 million in sewer upgrades on Sandwich Street between Ojibway Parkway and Rosedale Ave. (Approx. 3 km) are required before WDBA/BNA completes the work identified above. This will allow the City to maximize the benefits of this funding and may allow for cost efficiencies.	Construction is expected to be completed by end of 2021. Project to remain open until pre-committed budget is received.

Project Comments/Reference	Version Comments
7209009	COMMITMENT: CR139/2020 - C 51/2020: 2022 F028 \$2,030,000 - 2023 F028 \$2,030,000 - 2024 F028 \$1,413,750 - 2024 F221 \$300,000

Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
				Expenses												
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	2,030,000	2,030,000	0	5410	Construction Contracts - TCA											
2023	2,030,000	2,030,000	0		2,030,000	2,030,000	1,713,750	0	0	0	0	0	0	0	5,773,750	
2024	1,713,750	1,713,750	0		Total	2,030,000	2,030,000	1,713,750	0	0	0	0	0	0	5,773,750	
2025	0	0	0			0										
2026	0	0	0	Revenues												
2027	0	0	0	028CF	Committed Funding											
2028	0	0	0		2,030,000	2,030,000	1,413,750	0	0	0	0	0	0	0	5,473,750	
2029	0	0	0	221CF	Committed Funding											
2030	0	0	0		0	0	300,000	0	0	0	0	0	0	0	300,000	
2031	0	0	0		Total	2,030,000	2,030,000	1,713,750	0	0	0	0	0	0	5,773,750	
	5,773,750	5,773,750	0													

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2020	1,255,000	1,255,000	0
2021	4,740,800	4,740,800	0

Related Projects	Operating Budget Impact

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2020		Growth: 0.0 % Maintenance: 100.0 %	Joe Dattilo	2021`



Project Version Summary

Project #	ENG-026-17	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Design & Development and Geomatics
Title	Sandwich Street - Roundabout and Archeological Study		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 2		
Version Name	Main (Active)		

Project Description				Version Description															
This project is the construction of a roundabout at University Ave and Riverside Dr.				This project is complete pending funding allocation.															
Project Comments/Reference				Version Comments															
7171001																			
Project Forecast				Project Detailed Forecast															
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total				
Year	Total Expense	Revenue		Expenses															
		Net City Cost	Subsidies	5410	Construction Contracts - TCA														
2022	0	0	0		0	375,000	0	0	0	0	0	0	0	0	375,000				
2023	375,000	375,000	0																
2024	0	0	0	Total	0	375,000	0	0	0	0	0	0	0	0	375,000				
2025	0	0	0	Revenues															
2026	0	0	0	221CF	Committed Funding														
2027	0	0	0		0	375,000	0	0	0	0	0	0	0	0	375,000				
2028	0	0	0	Total	0	375,000	0	0	0	0	0	0	0	0	375,000				
2029	0	0	0																
2030	0	0	0																
2031	0	0	0																
	375,000	375,000	0																
Historical Approved Budget																			
				Year	Total Expense	Revenue													
						Net City Cost	Subsidies												
				2019	500,000	500,000	0												
				2021	1,150,000	1,150,000	0												
Related Projects				Operating Budget Impact															
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date															
2017	January 23, 2017	Growth: 0.0 % Maintenance: 0.0 %	Tiffany Pocock	2021`															



Project Version Summary

Project #	ENG-001-19	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Pollution Control
Title	Bio-Solids / Source Organics Disposal Study		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
A study to review and determine the long term strategies for corporate and possible regional handling and beneficial reuse of biosolids and source separated organics.																
Project Comments/Reference				Version Comments												
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	0	0	0	2915 Consulting Services - External												
2023	0	0	0		0	0	0	0	0	0	0	500,000	0	0	500,000	
2024	0	0	0	Total	0	0	0	0	0	0	0	500,000	0	0	500,000	
2025	0	0	0	Revenues												
2026	0	0	0	028 Sewer Surcharge												
2027	0	0	0		0	0	0	0	0	0	0	250,000	0	0	250,000	
2028	0	0	0	169 Pay As You Go - Capital Reserve												
2029	500,000	500,000	0		0	0	0	0	0	0	0	250,000	0	0	250,000	
2030	0	0	0	Total	0	0	0	0	0	0	0	500,000	0	0	500,000	
2031	0	0	0													
	500,000	500,000	0													
Historical Approved Budget				Operating Budget Impact												
Related Projects																
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2019	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %		Mark Winterton					December 2020							



Project Version Summary

Project #	ENV-001-08	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Pollution Control
Title	Lou Romano Water Reclamation Plant		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>The project was established for repairs to the particular facility and other LRWRP capital related costs. It is funded from the dedicated Pollution Control Reserve, Fund 208.</p> <p>The account represents funding for various works including placeholders for planned and unplanned repairs on a year-by-year basis. The work anticipated and completed varies annually dependent on manpower, project scope and can span several years.</p> <p>Due to the large amount of mechanical, electrical and structural infrastructure in the facility, annual funding from the Sewer Surcharge was put in place in order to address the depreciation of this infrastructure and provide for ongoing replacement, rehabilitation and repair. This ensures the reliability and integrity of the infrastructure in order to properly maintain the operation due to its critical nature.</p> <p>The facility has redundancy designed and built-in so that when equipment requires repair it can be taken out of service and still maintain the overall facility capacity. However, the repair must be completed in a timely manner in order for it to be brought back into service to ensure the reliability and integrity of the overall operation. Significant portions of the equipment are at what is considered to be its normal life span (15 to 40 years), dependent on the type of equipment. As a result, it is scheduled to be replaced as preventative maintenance prior to failure.</p>	<p>2022 Capital Works: \$4,065,000</p> <ul style="list-style-type: none"> \$100,000 HVAC units \$270,000 BAF Cell Concrete Repairs \$60,000 RS Pump Rebuilds (For RS3 &RS 4) \$20,000 SCADA Equipment \$120,000 PST refurbish (No 3 rake arm 2022) \$200,000 Main Pumphouse Valves and Actuators \$350,000 MPH Install new motors and VFDs for RS3 & RS4 \$250,000 MPH Upgrade RS1 & RS2 VFDs & Auto H.D. \$100,000 BAF Valve replacement \$150,000 BAF - BWT1 & BWT2 VFD replacement \$20,000 Grit Building Cyclone Neoprene Liners \$130,000 Centrifuge 2 and 3 Gearbox Replacement \$100,000 Centrifuge Rebuilds (1, 2 and 3) \$300,000 Parking Lot Rehabilitation \$800,000 Redesign Sodium Hyp delivery system \$100,000 Sludge Pump Houses \$150,000 Dewatering Hopper Unload \$120,000 Lab Services Renovations \$150,000 Dewatering Makeup Air Unit \$200,000 Lab Software \$300,000 Miscellaneous \$75,000 Window Replacement
Project Comments/Reference	Version Comments
<p>See Document Attached.</p> <p>Open: 7161007/7169002/7172001-7172003/7172006/7189007/7189008/ 7191027/ 7191028/ 7191029/7202000/ 7202001/ 7203000/7161069/7181037/7189005</p> <p>Closed: 7091009/7141036/7141037/7141038/7161006/7152002/ 7141035/7172004/7172005/7189004/7189006</p> <p>New 2021: 7212001, 7213000, 7212002, 7212003, 7211021, 7219004, 7211022, 7211023, 7211024, 7212004, 7212005, 7211043, 7213001</p> <p>New 2022: 7222002, 7221040, 7223002, 7222003, 7221041, 7221042</p>	

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	4,065,000	4,065,000	0	5410	Construction Contracts - TCA											
2023	3,763,000	3,763,000	0		4,065,000	3,763,000	2,290,000	2,070,000	2,203,000	1,020,000	1,995,000	628,000	2,020,000	3,470,000	23,524,000	
2024	2,290,000	2,290,000	0		Total	4,065,000	3,763,000	2,290,000	2,070,000	2,203,000	1,020,000	1,995,000	628,000	2,020,000	3,470,000	23,524,000
2025	2,070,000	2,070,000	0			0										
2026	2,203,000	2,203,000	0	Revenues												
2027	1,020,000	1,020,000	0	208	Pollution Control Reserve											
2028	1,995,000	1,995,000	0		4,065,000	3,763,000	2,290,000	2,070,000	2,203,000	1,020,000	1,995,000	628,000	2,020,000	3,470,000	23,524,000	
2029	628,000	628,000	0		Total	4,065,000	3,763,000	2,290,000	2,070,000	2,203,000	1,020,000	1,995,000	628,000	2,020,000	3,470,000	23,524,000
2030	2,020,000	2,020,000	0			0										
2031	3,470,000	3,470,000	0													
	23,524,000	23,524,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2008	250,000	250,000	0													
2009	100,000	100,000	0													
2010	100,000	100,000	0													
2011	1,600,000	1,600,000	0													
2012	1,000,000	1,000,000	0													
2013	1,550,000	1,550,000	0													
2014	2,200,000	2,200,000	0													
2015	650,000	650,000	0													
2016	2,250,000	2,250,000	0													
2017	2,105,000	2,105,000	0													
2018	2,605,000	2,605,000	0													
2019	4,840,000	4,840,000	0													
2020	2,350,000	2,350,000	0													
2021	4,455,000	4,455,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	These works are all related to replacement and refurbishment of existing equipment and are expected to result in decreased maintenance costs.							0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2008	January 1, 2008	Growth: 0.0 % Maintenance: 100.0 %		Various					Ongoing`							

**Project Attachments
For: 2020**

Project # ENV-001-08

Project Name: Lou Romano Water Reclamation Plant

	Project ID	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Lab equipment	7172001									\$200,000		\$200,000
HVAC units	7212001	\$100,000										\$100,000
BAF Process Turbo Air Blowers			\$100,000				\$100,000				\$100,000	\$300,000
BAF Cell Concrete Repairs	7213000	\$270,000	\$300,000									\$570,000
RS Pump Rebuilds (For RS3 & RS 4)	7211043	\$60,000	\$60,000								\$500,000	\$620,000
Variable Speed Drives								\$200,000				\$200,000
SCADA Equipment	7191027	\$20,000	\$20,000	\$20,000				\$225,000				\$285,000
Bar Screens Rakes and Conveyors										\$100,000		\$100,000
Fine Screens			\$100,000			\$100,000			\$75,000			\$275,000
BAF FCS spare screen or alternate					\$200,000							\$200,000
PST refurbish (No 3 rake arm 2022)	NEW	\$120,000		\$600,000		\$800,000		\$800,000			\$800,000	\$3,120,000
Main Pumphouse Valves and Actuators	7141035	\$200,000		\$200,000							\$800,000	\$400,000
MPH Install new motors and VFDs for RS3 & RS4	NEW	\$350,000	\$350,000									\$700,000
MPH Upgrade RS1 & RS2 VFDs & Auto H.D.	NEW	\$250,000										\$250,000
Channel Refurbishment			\$250,000			\$350,000						\$600,000
BAF Cell Refurbishment			\$400,000	\$400,000	\$400,000					\$500,000	\$500,000	\$2,200,000
BAF Valve replacement	7191028	\$100,000	\$233,000	\$100,000	\$100,000	\$233,000	\$100,000	\$100,000	\$133,000		\$150,000	\$1,099,000
BAF - BWT1 & BWT2 VFD replacement	7212003	\$150,000									\$150,000	\$300,000
UV Module Replacement	7189007		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$450,000
Sluice Gate Refurbishment			\$100,000									\$100,000
Inlet Refurbishment			\$200,000				\$200,000					\$400,000
Main Pumphouse Piping					\$500,000						\$1,000,000	\$1,500,000
Grit Building Cyclone Neoprene Liners	7219004	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$200,000
Centrifuge 2 and 3 Gearbox Replacement	NEW	\$130,000	\$130,000									\$260,000
Centrifuge Rebuilds (1, 2 and 3)	7172006	\$100,000	\$100,000	\$100,000								\$300,000
PEP Refurbishment										\$800,000		\$800,000
Metering Chamber - Side 2			\$200,000									\$200,000
Parking Lot Rehabilitation	7202001	\$300,000	\$200,000									\$500,000
Redesign Sodium Hyp delivery system	7212004	\$800,000										\$800,000
Sludge Pump Houses - Pump Rebuilds	NEW	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000						\$500,000
Dewatering Hopper Unload	7203000	\$150,000	\$150,000	\$150,000	\$150,000							\$600,000
Lab Services Renovations	NEW	\$120,000										\$120,000
Dewatering Makeup Air Unit	NEW	\$150,000	\$150,000									\$300,000
Lab Software	NEW	\$200,000										\$200,000
Miscellaneous	7169002	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$350,000	\$350,000	\$350,000	\$350,000	\$3,200,000
New Centrifuges			\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000				\$1,500,000
Window Replacement	7212005	\$75,000										\$75,000
Total		\$4,065,000	\$3,763,000	\$2,290,000	\$2,070,000	\$2,203,000	\$1,020,000	\$1,995,000	\$628,000	\$2,020,000	\$3,470,000	\$23,524,000

2022 Anticipated Capital Works:

HVAC units	HVAC Units: Heating and ventilating units in dewatering and Lab are past end of life.
BAF Cell Concrete Repairs	BAF Cell Concrete Repairs: wiers of the 16 BAF Cells require repair of the concrete due to biological attack of surfaces
RS Pump Rebuilds (For RS3 & RS 4)	RS Pump Rebuilds: Raw Sewage Pumps are over 50 years old and require full refurbishment. This is ongoing funding for a large task.
SCADA Equipment	Upgrading instruments and sensors for communications with upgraded SCADA system
PST refurbish (No 3 rake arm 2022)	Primary Settling Tank No. 3 rake arm is corroded and requires maintenance and partial replacement
Main Pumphouse Valves and Actuators	Main Pumphouse Valves and Actuators: Valves are over 50 years old and are leaking and not holding back flows. Reliability in question.
MPH Install new motors and VFDs for RS3 & RS4	Refurbishment and upgrade to existing 60 yr old motors. Upgrading controls with variable frequency drives to operate more efficiently.
MPH Upgrade RS1 & RS2 VFDs & Auto H.D.	MPH Upgrade RS1 & RS2 VFDs & Auto H.D. : Replacement of Variable frequency drives which dictate motor speed and maintain uniform flow through the plant optimizing chemical treatment
BAF Valve replacement	Existing mild steel valves have all corroded and are leaking. Require replacement with stainless steel.
BAF - BWT1 & BWT2 VFD replacement	BAF - BWT1 & BWT2 VFD replacement : Variable frequency drive installation to maintain uniform flow during process and will reduce energy costs. (Typical for VFDs)
Grit Building Cyclone Neoprene Liners	Grit Building Cyclone Neoprene Liners : liners in grit cyclone separators require replacement due to abrasion in the process.
Centrifuge 2 and 3 Gearbox Replacement	Centrifuge gearboxes are failing regularly and require upgrade to more robust drive capable of handling higher operating torque
Centrifuge Rebuilds (1, 2 and 3)	Rebuilding is part of equipment maintenance due to the nature of the operation
Parking Lot Rehabilitation	Health & safety issue. Pavement in extremely poor condition.
Redesign Sodium Hyp delivery system	Redesign Sodium Hyp delivery system (COVID): underground feed lines for Sodium hyperchloride dosing used for disinfection are deteriorating and require replacement.
Sludge Pump Houses	Rebuilding primary settling tank sludge pumps to maintain pumping efficiency
Dewatering Hopper Unload	Sludge cake unloading hoppers require regular refurbishing due the nature of the process and the environment (wet and H2S attack)
Lab Services Renovations	Renovations to plant laboratory to address ergonomics and H & S issues. Add emergency exit per fire code.
Dewatering Makeup Air Unit	Unit is at end of life and requires replacement.
Lab Software	Upgrade and improvements to laboratory analysis and reporting software. Improvements in efficiency and compliance reporting.
Miscellaneous	Miscellaneous: To address the equipment repair and replacement which occurs due to unanticipated equipment failure. This is a placeholder due to the varying nature of this work.
Window Replacement	Window Replacement: windows in admin building are single pane glass. Energy inefficiencies and leaking.

LRWRP (original plant 1969)		Project ID	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	TOTAL	
Lab equipment	7172001										\$200							\$200	ICP obsolete - limited support and spare parts availability
Grit Equipment Rebuilds / Replacements														\$500				\$500	
HVAC units	7212001	\$100																\$100	end of life replacements(30-40 years)
BAF Process Turbo Air Blowers			\$100					\$100				\$100						\$300	maintenance
BAF Cell Concrete Repairs		\$270	\$300															\$570	Wiers and walls
RS Pump Rebuilds (For RS3 & RS 4)	7211043	\$60	\$60									\$500						\$620	rebuild pumps every 7-10 years
Variable Speed Drives									\$200									\$200	
SCADA Equipment	7191027	\$20	\$20	\$20					\$225				\$225					\$510	Cimplicity Upgrade & Service Plus MPH Profinet hardware. Subsequent replacement of PLCs each year.
Bar Screens Rakes and Conveyors											\$100							\$100	refurbish/replace rakes, conveyors, hoppers
Fine Screens			\$100			\$100			\$75				\$75					\$350	
BAF FCS spare screen or alternate					\$200									\$200				\$400	
PST refurbish (No 3 rake arm 2022)		\$100		\$600		\$800		\$800				\$800						\$3,100	recoat tanks and mechanisms every 10+years
Main Pumphouse Valves and Actuators		\$200		\$200														\$400	40 year lifespan
MPH Install new motors and VFDs for RS3 & RS4		\$350	\$350															\$700	
MPH Upgrade RS1 & RS2 VFDs & Auto H.D.		\$250																\$250	
Channel Refurbishment			\$250			\$350								\$200				\$800	
BAF Cell Refurbishment			\$400	\$400	\$400						\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$4,700	\$55K per year, first 3 years for truck
BAF Valve replacement	7191028	\$100	\$233	\$100	\$100	\$233	\$100	\$100	\$133				\$133			\$133	\$0	\$1,365	Corrosion issue for cast iron - replace w SS
BAF - BWT1 & BWT2 VFD replacement	7212003	\$150										\$150	\$150					\$450	10 year life
UV Module Replacement	7189007		\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$50	\$700	
Sluice Gate Refurbishment			\$100															\$100	
Inlet Refurbishment			\$200					\$200						\$200			\$200	\$800	
Main Pumphouse Piping					\$500							\$1,000						\$1,500	
Grit Building Cyclone Neoprene Liners	7219004	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$300	3 cyclones. Service life approx 15 months.
Centrifuge 2 and 3 Gearbox Replacement		\$130	\$130															\$260	
Centrifuge Rebuilds (1, 2 and 3)	7172006	\$100	\$100	\$100														\$300	
PEP Refurbishment											\$800							\$800	C.W. will be executing the Tender package this fall
Metering Chamber - Side 2			\$200															\$200	
Parking Lot Rehabilitation	7202001	\$300	\$200															\$500	
Redesign Sodium Hyp delivery system (COVID)	7212004	\$800																\$800	Underground system leaking
Sludge Pump Houses		\$100	\$100	\$100	\$100	\$100												\$500	
Dewatering Hopper Unload	7203000	\$150	\$150	\$150	\$150														
Lab Services Renovations	NEW	\$120																	Includes: Lab clean up/ receiving room and emergency exit
Dewatering Makeup Air Unit	NEW	\$150	\$150																
Lab Software	NEW	\$200																	
Miscellaneous	7169002	\$300	\$300	\$300	\$300	\$300	\$300	\$350	\$350	\$350	\$350	\$350	\$350	\$400	\$400	\$400	\$400	\$5,150	
New Centrifuges			\$250	\$250	\$250	\$250	\$250	\$250										\$1,500	
Window Replacement	7212005	\$75																\$75	
		\$4,045	\$3,763	\$2,290	\$2,070	\$2,203	\$1,020	\$1,995	\$628	\$2,020	\$3,470	\$1,703	\$1,870	\$970	\$1,303	\$970		\$30,320	



Project Version Summary

Project #	ENV-002-08	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Pollution Control
Title	Little River Pollution Control Plant		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Established for the repairs of the particular facility and other LRPCP capital related costs. Funded from the dedicated Pollution Control Reserve, Fund 208.</p> <p>The account represents funding for various works including placeholders for planned and unplanned repairs on a year-by-year basis. The work anticipated and completed varies annually dependent on manpower, project scope and can span several years.</p> <p>Due to the large amount of mechanical, electrical and structural infrastructure in the facility, annual funding from the Sewer Surcharge was put in place in order to address the depreciation of this infrastructure and provide for ongoing replacement, rehabilitation and repair. This ensures the reliability and integrity of the infrastructure in order to properly maintain the operation due to its critical nature.</p> <p>The facility has redundancy designed and built-in so that when equipment requires repair it can be taken out of service and still maintain the overall facility capacity. However, the repair must be completed in a timely manner in order for it to be brought back into service to ensure the reliability and integrity of the overall operation. Significant portions of the equipment are at what is considered to be its normal life span (15 to 40 years), dependent on the type of equipment. As a result, it is scheduled to be replaced as preventative maintenance prior to failure.</p>	<p>2022 Capital Works: \$1,920,000</p> <p>\$200,000 Locker Room / Lunch Room</p> <p>\$120,000 Bar Screen</p> <p>\$1,100,000 Pump House #1</p> <p>\$300,000 Miscellaneous</p> <p>\$50,000 Plant Profinet cabling for process connection</p> <p>\$150,000 Plant 2 Chemical Infrastructure Additional</p>
Project Comments/Reference	Version Comments
<p>See Document Attached.</p> <p>Closed: 7091011/7141040/7161019/7161021/7164009//7161020/7172009/7172008</p> <p>Open: 7141039/7151016/7161022/7161023/7169004/7172007-7172011/7189008/7189009/7192004/7203001</p> <p>New 2021: 7219005, 7219006, 7211025, 7216000, 7211026, 7211027, 7211028</p> <p>New 2022: 7221043, 7222004</p>	

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	1,920,000	1,920,000	0	5410	Construction Contracts - TCA											
2023	4,370,000	4,370,000	0		1,920,000	4,370,000	3,650,000	570,000	800,000	920,000	800,000	570,000	350,000	570,000	14,520,000	
2024	3,650,000	3,650,000	0		Total	1,920,000	4,370,000	3,650,000	570,000	800,000	920,000	800,000	570,000	350,000	570,000	14,520,000
2025	570,000	570,000	0			0										
2026	800,000	800,000	0	Revenues												
2027	920,000	920,000	0	208	Pollution Control Reserve											
2028	800,000	800,000	0		1,920,000	4,370,000	3,650,000	570,000	800,000	920,000	800,000	570,000	350,000	570,000	14,520,000	
2029	570,000	570,000	0		Total	1,920,000	4,370,000	3,650,000	570,000	800,000	920,000	800,000	570,000	350,000	570,000	14,520,000
2030	350,000	350,000	0			0										
2031	570,000	570,000	0													
	14,520,000	14,520,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2008	213,000	213,000	0													
2009	500,000	500,000	0													
2010	350,000	350,000	0													
2011	100,000	100,000	0													
2012	1,396,000	1,396,000	0													
2013	2,075,000	2,075,000	0													
2014	1,245,000	1,245,000	0													
2015	900,000	900,000	0													
2016	2,030,000	2,030,000	0													
2017	1,920,000	1,920,000	0													
2018	1,545,000	1,545,000	0													
2019	1,245,000	1,245,000	0													
2020	2,200,000	2,200,000	0													
2021	3,000,000	3,000,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	These works are all related to replacement and refurbishment of existing equipment and are expected to result in decreased maintenance costs.							0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2008	January 1, 2008	Growth: 0.0 % Maintenance: 100.0 %		Various				Ongoing`								

**Project Attachments
For: 2022**

Project # ENV-002-08

Project Name: Little River Pollution Control Plant

	Project ID	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
3- Schwing Pumps			\$500,000	\$200,000								\$700,000
UV System upgrade/replacement	7203001		\$1,800,000	\$1,700,000								\$3,500,000
Plant 1 Chemical and pipe chase			\$700,000									\$700,000
RS Pump Rebuilds	7189009					\$50,000		\$50,000				\$100,000
PST refurbish						\$200,000	\$200,000	\$200,000				\$600,000
FST refurbish						\$200,000	\$200,000	\$200,000				\$600,000
Misc. concrete tank and channel refurbish	7219005		\$100,000		\$100,000		\$100,000		\$100,000		\$100,000	\$500,000
Aeration cell refurbish / piping			\$400,000	\$400,000								\$800,000
Sluice Gate Refurbish	7219006		\$120,000		\$120,000		\$120,000		\$120,000		\$120,000	\$600,000
Locker Room / Lunch Room	7151016	\$200,000										\$200,000
Sludge Pumphouse Valve Replacement	7192004		\$400,000									\$400,000
Grit Removal Rebuild				\$1,000,000								\$1,000,000
Bar Screen	NEW	\$120,000										\$120,000
Pump House #1	7172010	\$1,100,000										\$1,100,000
Miscellaneous	7169004	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$350,000	\$350,000	\$350,000	\$350,000	\$3,200,000
Plant Profinet cabling for process connection	7216000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000						\$250,000
Odour control upgrades	NEW	\$150,000										\$150,000
Total		\$1,920,000	\$4,370,000	\$3,650,000	\$570,000	\$800,000	\$920,000	\$800,000	\$570,000	\$350,000	\$570,000	\$14,520,000

2022 Anticipated Capital Works:

Locker Room / Lunch Room	Locker Room / Lunch Room: Facility is too small and originally did not accommodate female staff. Structural failure of exterior wall.
Bar Screen	Rebuilding of existing inlet bar screen. End of life
Pump House #1	Rebuilding of existing Pumphouse No 1 piping, pumps and control for increases in efficiency and operating performance. Reduce operational maintenance.
Miscellaneous	Miscellaneous: To address the equipment repair and replacement which occurs due to unanticipated equipment failure. This is a placeholder due to the varying nature of this work.
Plant Profinet cabling for process connection	Plant Profinet cabling for process connection: Required to allow Plant communications to process to be upgraded and allow monitoring and back-up from LRWRP.
Odour control upgrades	Improvements and upgrades to H2S odour control system

LRPCP (original plant 1964)																	NOTES	
Project	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	TOTAL		
3- Schwing Pumps			\$500	\$200								\$100	\$100	\$100	\$100	\$1,100	refurbishing req'd every 8-10 years	
UV System upgrade/replacement	7203001		\$1,800	\$1,700												\$3,500	age 30+ years(obsolete system) - limited spares availability	
Plant 1 Chemical and pipe chase			\$700													\$700	process improvement	
RS Pump Rebuilds					\$50		\$50									\$100	rebuild pumps every 7-10 years	
PST refurbish					\$200	\$200	\$200					\$300	\$300	\$300	\$300	\$1,800	recoat tanks and mechanisms every 10+years	
FST refurbish					\$200	\$200	\$200					\$300	\$300	\$300	\$300	\$1,800	recoat tanks and mechanisms every 10+years	
Misc. concrete tank and channel refurbish			\$100		\$100		\$100		\$100			\$100		\$100	\$100	\$800		
Aeration cell refurbish / piping			\$400	\$400							\$400					\$1,200		
Sluice Gate Refurbish	7219006		\$120		\$120		\$120		\$120		\$120			\$120		\$840		
Locker Room / Lunch Room		\$200														\$200	Moved	
Sludge Pumphouse Valve Replacement			\$400													\$400	SPH No. 1 in process.	
Grit Removal Rebuild				\$1,000												\$1,000	Engineering in 2019 under 7172010. Early opportunity?	
Bar Screen		\$120														\$120		
Pump House #1		\$1,100														\$1,100		
Miscellaneous		\$300	\$300	\$300	\$300	\$300	\$350	\$350	\$350	\$350	\$350	\$400	\$400	\$400	\$400	\$5,150		
Plant Profinet cabling for process connection		\$50	\$50	\$50	\$50	\$50										\$250		
Plant 2 Chemical Infrastructure Additional		\$150														\$150		
		\$1,920	\$4,370	\$3,650	\$570	\$800	\$920	\$800	\$570	\$350	\$570	\$750	\$1,320	\$1,100	\$1,320	\$1,200	\$20,210	



Project Version Summary

Project #	ENV-003-08	Service Area	Infrastructure Services
Budget Year	2022	Department	Engineering
Asset Type	Unassigned	Division	Pollution Control
Title	Pumping Stations Maintenance		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Established for repairs to various pumping station facilities and other capital related costs. Funded from the dedicated Pollution Control Reserve, Fund 208.</p> <p>The account represents funding for various works including placeholders for planned and unplanned repairs on a year-by-year basis. The work anticipated and completed varies annually dependent on manpower, project scope and can span several years.</p> <p>Due to the large amount of mechanical, electrical and structural infrastructure in the facilities, annual funding from the Sewer Surcharge was put in place in order to address the depreciation of this infrastructure and provide for ongoing replacement, rehabilitation and repair. This ensures the reliability and integrity of the infrastructure in order to properly maintain operations due to their critical nature.</p> <p>The facilities have redundancy designed and built-in so that when equipment requires repair, they can be taken out of service and still maintain the overall facility capacity. However, repairs must be completed in a timely manner in order for it to be brought back into service to ensure the reliability and integrity of the overall operation. Significant portions of the equipment are at what is considered to be its normal life span (15 to 40 years), dependent on the type of equipment. As a result, it is scheduled to be replaced as preventative maintenance prior to failure.</p>	<p>2022 Capital Works: \$1,560,000</p> <p>\$150,000 Woods (Caron) - Bypass Gates / Inlet Valve</p> <p>\$200,000 Woods (Caron) - Underground diesel tank</p> <p>\$100,000 Drouillard - MCC upgrade/replacement</p> <p>\$150,000 Grand Marais - diesel driven pump</p> <p>\$50,000 Janette/Charl - Pumps/Diesel</p> <p>\$100,000 Maplewood - Pumps</p> <p>\$400,000 Pontiac - Screw pump refurbishment</p> <p>\$100,000 Primord - Duty Selection</p> <p>\$30,000 Provincial (Legacy) - Pumps</p> <p>\$80,000 Wellington - Spare Pump #2</p> <p>\$10,000 Wireless Upgrade</p> <p>\$100,000 PLC upgrades</p> <p>\$25,000 SCADAPak Upgrades</p> <p>\$25,000 Pump/Pipe thickness testing</p> <p>\$40,000 Southwood Lakes</p>
Project Comments/Reference	Version Comments
<p>See Document Attached.</p> <p>Closed: 7091010/7162003/7162004/7172012/7172013/7192005/7192006</p> <p>Open: 7141042/7169003/7169004/7189010</p> <p>New 2021: 7214000, 7219007, 7216001, 7212006, 7211029, 7219008, 7212009</p> <p>New 2022: 7221044, 7222005, 7221045, 7222006, 7221046, 7224000, 7221047, 7223003</p>	

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	1,560,000	1,560,000	0	5410	Construction Contracts - TCA											
2023	4,355,000	4,355,000	0		1,560,000	4,355,000	1,630,000	1,610,000	760,000	200,000	300,000	300,000	800,000	500,000	12,015,000	
2024	1,630,000	1,630,000	0		Total	1,560,000	4,355,000	1,630,000	1,610,000	760,000	200,000	300,000	300,000	800,000	500,000	12,015,000
2025	1,610,000	1,610,000	0			0										
2026	760,000	760,000	0	Revenues												
2027	200,000	200,000	0	208	Pollution Control Reserve											
2028	300,000	300,000	0		1,560,000	4,355,000	1,630,000	1,610,000	760,000	200,000	300,000	300,000	800,000	500,000	12,015,000	
2029	300,000	300,000	0		Total	1,560,000	4,355,000	1,630,000	1,610,000	760,000	200,000	300,000	300,000	800,000	500,000	12,015,000
2030	800,000	800,000	0			0										
2031	500,000	500,000	0													
	12,015,000	12,015,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2008	150,000	150,000	0													
2009	225,000	225,000	0													
2010	410,000	410,000	0													
2011	100,000	100,000	0													
2012	595,000	595,000	0													
2013	1,005,000	1,005,000	0													
2014	970,000	970,000	0													
2015	525,000	525,000	0													
2016	400,000	400,000	0													
2017	1,400,000	1,400,000	0													
2018	800,000	800,000	0													
2019	750,000	750,000	0													
2020	250,000	250,000	0													
2021	710,000	710,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	These works are all related to replacement and refurbishment of existing equipment and are expected to result in decreased maintenance costs.							0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2008	January 1, 2008	Growth: 0.0 % Maintenance: 100.0 %		Various				Ongoing`								

YEAR		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	TOTAL	
PUMPING STATIONS	Projects																	
Ambassador/Ojibway																		
Pumps/Diesel					130												130	
MCC/Controls					100												100	
Aspen Lake																		
Dredging					250												250	
Woods (Caron)	7189010																	
Pump Rebuild/Replacement				200		200											400	50 years old (pumps 3 and4)
Engineering - Floor / Building																	-	Engineering to investigate floor cracking & wall,
Replace Actuators / Valves/Inspection					100												100	Hydraulics systems need maintenance and component replacement.
Bypass Gates / Inlet Valve		150															150	VERY low confidence. Locate and excersize bypass and inlet gates.
Pump 4 VFD																	-	
Building maintenance			50	50	200												300	Window replacement, wall cracking, settlement
Underground diesel tank		200	300														500	Replace with above ground. ORDERS
Clairview																		
Pump Rebuild			100	100													200	
Pump Duty			50	50													100	
Inlet valve replacement																	-	
Drouillard																		2030
MCC upgrade/replacement		100															100	Start engineering in 2021
Gravel road																	-	
East Banwell																		
dredging/cleaning					50												50	
East Marsh																		diesel at end of life; limited availability of replacement parts
diesel / mcc																	-	
Grand Marais																		
diesel driven pump		150															150	
Howard Grade																		
pumps						160											160	2041
HVAC																	-	
dredging										200							200	
Huron Estates																		
Pumps/Diesel				100													100	
Janette/Charl																		
Pumps/Diesel						200											200	
upgrade/refurbish																	-	ATS
Unit heaters/exhaust fans																	-	
Upgrade Refurbish ATS		50,000																
Jefferson																		
Pumps/Diesel				300													300	diesel at end of life; limited availability of replacement parts. Decommission???
Lakeview/Blue Heron Pond																		
Pumps																	-	
Dredging			400														400	
Maplewood																		
Pumps		100															100	
Exterior grating																	-	
MCC upgrade/replacement																	-	
Pontiac																		
Diesel / MCC			2,000														2,000	Upgrade during DMAF program???
Screw pump refurbishment		400	450														850	
Primord																		

YEAR		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	TOTAL	
PUMPING STATIONS	Projects																	
Duty selection		100															100	
Provincial (Legacy)																		2033
pumps		30	30	30													90	
clean underground storage					80												80	
Peter St																		
replace check valve																	-	
																	-	
St. Paul																		
pumps																	-	
diesel																	-	
MCC upgrade/replacement																	-	
Bar screen/Trash rack		100															100	
Walker																	-	2035
pumps			150														150	
dredging			500														500	

YEAR		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	TOTAL	
PUMPING STATIONS	Projects																	
Wellington																		
diesel / mcc upgrade / replacement				500													500	
spare pump #2		80															80	
Ypres																		
pumps										100							100	2025
diesel / mcc					500												500	
General																		
Wireless Upgrade		10															10	
PLC upgrades		100	100	100						200	200						700	16 Pumping Station PLC upgrades to SCADAPak. \$25K each
SCADAPak Upgrades		25										25	25	25	25	25	150	old controllers
Pump/Pipe thickness testing		25	25														50	
Flow monitoring of interceptors																	-	
Southwood Lakes		40																
Miscellaneous			200	200	200	200	200	300	300	300	300	300	300	350	350	350	3,850	
		51,610	4,355	1,630	1,610	760	200	300	300	800	500	325	325	375	375	375	13,800	

**Project Attachments
For: 2022**

Project # ENV-003-08

Project Name: Pumping Stations

Capital Project	Project IDs	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Ambassador/Ojibway		-										
Pumps/Diesel					\$130,000							\$130,000
MCC/Controls					\$100,000							\$100,000
Aspen Lake		-										
Dredging					\$250,000							\$250,000
Woods (Caron)		-										
Pump Rebuild/Replacement				\$200,000		\$200,000						\$400,000
Replace Actuators / Valves/Inspectio					\$100,000							\$100,000
Bypass Gates / Inlet Valve	7189010	\$150,000										\$150,000
Building maintenance			\$50,000	\$50,000	\$200,000							\$300,000
Underground diesel tank		\$200,000	\$300,000									\$500,000
Clairview		-										
Pump Rebuild - low priority	7214000		\$100,000	\$100,000								\$200,000
Pump Duty			\$50,000	\$50,000								\$100,000
Drouillard		-										
MCC upgrade/replacement	NEW	\$100,000										\$100,000
East Banwell		-										
dredging/cleaning					\$50,000							\$50,000
Grand Marais		-										
diesel driven pump	NEW	\$150,000										\$150,000
Howard Grade		-										
pumps	7219007					\$160,000						\$160,000
dredging								\$200,000				\$200,000
Huron Estates		-										
Pumps/Diesel			\$100,000									\$100,000
Janette/Charl		-										
Pumps/Diesel	7216001	\$50,000				\$200,000						\$250,000
Jefferson		-										
Pumps/Diesel			\$300,000									\$300,000
Lakeview/Blue Heron Pond		-										
Dredging			\$400,000									\$400,000
Maplewood		-										
Pumps	7212006	\$100,000										\$100,000
Pontiac		-										
Diesel / MCC	NEW		\$2,000,000									\$2,000,000
Screw pump refurbishment		\$400,000	\$450,000									\$850,000
Primord		-										
Duty selection	NEW	\$100,000										\$100,000
Provincial (Legacy)		-										
pumps	NEW	\$30,000	\$30,000	\$30,000								\$90,000
clean underground storage					\$80,000							\$80,000
Peter St		-										
St. Paul		-										
Walker		-										
pumps			\$150,000									\$150,000
dredging			\$500,000									\$500,000
Wellington		-										

**Project Attachments
For: 2022**

Project # ENV-003-08

Project Name: Pumping Stations

Capital Project	Project IDs	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
diesel / mcc upgrade / replacement	NEW			\$500,000								\$500,000
spare pump #2		\$80,000										\$80,000
Ypres		-										
pumps										\$100,000		\$100,000
diesel / mcc					\$500,000							\$500,000

**Project Attachments
For: 2022**

Project # ENV-003-08

Project Name: Pumping Stations

Capital Project	Project IDs	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
General		-										
Wireless Upgrade	7169003	\$10,000										\$10,000
PLC upgrades	7169003	\$100,000	\$100,000	\$100,000						\$200,000	\$200,000	\$700,000
SCADAPak Upgrades	7169003	\$25,000										\$25,000
Pump/Pipe thickness testing	7169003	\$25,000	\$25,000									\$50,000
Flow monitoring of interceptors	7169003											\$0
Southwood Lakes	NEW	\$40,000										\$40,000
Miscellaneous	7169003		\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$300,000	\$300,000	\$300,000	\$300,000	\$2,200,000
		\$1,560,000	\$4,355,000	\$1,630,000	\$1,610,000	\$760,000	\$200,000	\$300,000	\$300,000	\$800,000	\$500,000	\$12,015,000



Project Version Summary

Project #	ECB-030-18	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Wyandotte St. - St. Rose to Janisse - Repair WB, Reconstruct EB		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 6		
Version Name	Main (Active)		

Project Description				Version Description												
On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.				Repair and reconstruction work completed in 2019.												
Project Comments/Reference				Version Comments												
7183019				COMMITMENT: CR4/2019 - C 217/2018: 2023 F221 \$440,000												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	0	0	0	5410 Construction Contracts - TCA												
2023	440,000	440,000	0	0 440,000 0 0 0 0 0 0 0 0 0 0 440,000												
2024	0	0	0	Total 0 440,000 0 0 0 0 0 0 0 0 0 0 440,000												
2025	0	0	0	Revenues												
2026	0	0	0	221CF Committed Funding												
2027	0	0	0	0 440,000 0 0 0 0 0 0 0 0 0 0 440,000												
2028	0	0	0	Total 0 440,000 0 0 0 0 0 0 0 0 0 0 440,000												
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
440,000				440,000												
0																
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date								
2018	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Phong Nguy					TBD`								



Project Version Summary

Project #	ECB-031-18	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Courtland Cres. - South National to South National - Mill and Pave		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 7		
Version Name	Main (Active)		

Project Description				Version Description											
On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.				Mill and pave work completed in 2020.											
Project Comments/Reference				Version Comments											
7183020				COMMITMENT: CR4/2019 - C 217/2018: 2023 F221 \$120,000											
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Revenue				Expenses											
Year	Total Expense	Net City Cost	Subsidies												
2022	0	0	0	5410 Construction Contracts - TCA											
2023	120,000	120,000	0	0 120,000 0 0 0 0 0 0 0 0 0 0 120,000											
2024	0	0	0	Total 0 120,000 0 0 0 0 0 0 0 0 0 0 120,000											
2025	0	0	0	Revenues											
2026	0	0	0	221CF Committed Funding											
2027	0	0	0	0 120,000 0 0 0 0 0 0 0 0 0 0 120,000											
2028	0	0	0	Total 0 120,000 0 0 0 0 0 0 0 0 0 0 120,000											
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
120,000				120,000											
0															
Historical Approved Budget															
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2018	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Phong Nguy	TBD`											



Project Version Summary

Project #	ECB-032-18	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Annie St. - Tecumseh to Cul-de-sac - Mill and Pave		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 8		
Version Name	Main (Active)		

Project Description				Version Description											
On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.				Mill and pave work will be completed in 2020.											
Project Comments/Reference				Version Comments											
7183021				COMMITMENT: CR4/2019 - C 217/2018: 2023 F221 \$90,000											
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Revenue				Expenses											
Year	Total Expense	Net City Cost	Subsidies												
2022	0	0	0	5410 Construction Contracts - TCA											
2023	90,000	90,000	0	0 90,000 0 0 0 0 0 0 0 0 0 0 0 90,000											
2024	0	0	0	Total 0 90,000 0 0 0 0 0 0 0 0 0 0 0 90,000											
2025	0	0	0	Revenues											
2026	0	0	0	221CF Committed Funding											
2027	0	0	0	0 90,000 0 0 0 0 0 0 0 0 0 0 0 90,000											
2028	0	0	0	Total 0 90,000 0 0 0 0 0 0 0 0 0 0 0 90,000											
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
90,000				90,000											
0															
Historical Approved Budget															
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2018	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %	Phong Nguy	TBD`											



Project Version Summary

Project #	ENG-007-16	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Basement Flooding Abatement Measures		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description

This project will merge the following five programs, which used to be separate projects in the Capital Budget, into one project:

- Closed Circuit Television (CCTV) Program – to evaluate sewer conditions and assist in capital planning
- Smoke & Dye Testing Program – to identify infiltration and cross connection issues for identification of repairs required to reduce basement flooding
- Small Sewer Repairs Program – to address numerous small deficiencies identified in the sewer system which, if left unchecked, can manifest into sinkholes and larger repairs
- Basement Flooding Mitigation Measures Program – for the implementation of a downspout disconnection program and investing in live flow monitoring equipment
- Basement Flooding Prevention Subsidy Program – to install backwater valves and/or sump pumps in areas subject to, or are susceptible to, basement flooding and help subsidize homeowners for part of the associated costs.

Beginning in 2020, Administration established a trunk sewer inspection program and an annual zoom cyclical program in addition to the existing programs outlined above.

Project Comments/Reference

7169001

Version Description

This project consolidates the following previously approved projects into one program:

- 1) OPS-008-07 Closed Circuit Television (CCTV)
- 2) OPS-003-10 Small Sewer Repairs
- 3) ECP-001-12 Basement Flooding Mitigation Measures
- 4) EIT-002-11 Basement Flooding Prevention Subsidy Program

Version Comments

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	4,500,000	4,500,000	0	5410	Construction Contracts - TCA											
2023	4,500,000	4,500,000	0		4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,514,750	45,014,750	
2024	4,500,000	4,500,000	0		Total	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,514,750	45,014,750	
2025	4,500,000	4,500,000	0			0										
2026	4,500,000	4,500,000	0		Revenues											
2027	4,500,000	4,500,000	0	028	Sewer Surcharge											
2028	4,500,000	4,500,000	0		4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,514,750	45,014,750	
2029	4,500,000	4,500,000	0		Total	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,514,750	45,014,750	
2030	4,500,000	4,500,000	0			0										
2031	4,514,750	4,514,750	0													
	45,014,750	45,014,750	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2016	2,630,000	2,630,000	0													
2017	2,500,000	2,500,000	0													
2018	2,700,000	2,700,000	0													
2019	3,227,751	3,227,751	0													
2020	4,687,751	4,687,751	0													
2021	4,450,000	4,450,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	This capital program budget allows for trenchless repairs of sewer deficiencies identified during CCTV and Zoom inspections of our sewer infrastructure. If deficiencies require extensive remedial work due to collapses or unmoveable obstructions, then the remedial action will be undertaken through the operational budget. Rehabilitation or remedial action undertaken under this capital program will allow work to be undertaken utilizing trenchless technology methods to expedite the required work with minimal surface disruptions. It will increase the life cycle of the infrastructure and can lead to decreased operation budget expenses as the remedial action could be undertaken using this projects funding before total failure of the infrastructure leading to collapse or total blockage which can only then be repaired or rehabilitated using methods other than trenchless methods.							0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2016	January 1, 2016	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy / Andrew Lewis	Ongoing												



Project Version Summary

Project #	OPS-001-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Road Rehabilitation - Various Locations Program		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>Citywide rehabilitation and reconstruction of existing paved roads comprises of 1,069 km (2374 lane km) including the E.C. Row Expressway. As of June 2021, 19.9% of the road system is rated 'Now' Deficient. The estimated replacement value of roads is approximately \$2.11 billion. Industry standard life cycle is 35 years. Based on a 35-year replacement cycle, the perpetual annual cost for the replacement of this infrastructure is approximately \$50-\$60 million. It should be noted that years 2022 and beyond are based on current assessed condition and applied asset management. A listing of planned projects is included in the appendices. Depending on tender pricing, additional roads may be able to be added or some may need to be pushed to future years. Given the limited options with minor surplus funding, it may create an opportunity for smaller sections of local roads to be addressed sooner than planned.</p>	<p>Version Description</p> <p>2022: Citywide Rehab (excl EC Row Rehab) = \$14,763,424 / EC Row Rehab = \$1,000,000 2023: Citywide Rehab (excl EC Row Rehab) = \$ 6,504,451 / EC Row Rehab = \$7,800,000 2024: Citywide Rehab (excl EC Row Rehab) = \$15,123,967 / EC Row Rehab = \$2,500,000 2025: Citywide Rehab (excl EC Row Rehab) = \$16,255,201 / EC Row Rehab = \$2,000,000 2026: Citywide Rehab (excl EC Row Rehab) = \$ 8,671,462 / EC Row Rehab = \$1,500,000 2027: Citywide Rehab (excl EC Row Rehab) = \$13,038,286 / EC Row Rehab = tbd 2028: Citywide Rehab (excl EC Row Rehab) = \$17,645,000 / EC Row Rehab = tbd 2029: Citywide Rehab (excl EC Row Rehab) = \$17,645,000 / EC Row Rehab = tbd 2030: Citywide Rehab (excl EC Row Rehab) = \$17,645,000 / EC Row Rehab = tbd 2031: Citywide Rehab (excl EC Row Rehab) = \$21,880,060 / EC Row Rehab = tbd</p> <p>Note: Sewer and watermain information need to be taken into consideration prior to commencing any project. This includes consideration of any construction plans by utility companies as well as any change in dictated priorities that may ensue as time goes by.</p>
<p>Project Comments/Reference</p> <p>See Document Attached (Closed: 7081001, 7091002, 7101001, 7111001, 7121001, 7131110, 7141025, 7151003, 7161027, 7171016, 7181024) Active: 7181040, 7185001, 7201002, 7192010, 7201029, 7211000, 7221001</p>	<p>Version Comments</p> <p>COMMITMENT: CR218/2021 C 57/2021: 2024 F221 \$2 870,399 CR453/2021 C 140/2021: 2022 F176 \$3,200,000</p> <p>NOTE: Per CR16/2021, C 251/2020-Federal Gas Tax (Fund 176) funding identified and committed for the Connecting Links – Intake 5 (OPS-009-20) project has been exchanged for an equivalent amount of Service Sustainability (Fund 221) funding in the City-wide Road Rehabilitation (OPS-001-07) for the following amounts: 2021-\$915,000, 2022-\$915,000, 2023-\$919,930</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	15,763,424	15,763,424	0	5410	Construction Contracts - TCA											
2023	14,304,451	14,304,451	0		15,763,424	14,304,451	17,623,967	18,255,201	10,171,462	13,038,286	17,645,000	17,645,000	17,645,000	21,880,060	163,971,851	
2024	17,623,967	17,623,967	0		Total	15,763,424	14,304,451	17,623,967	18,255,201	10,171,462	13,038,286	17,645,000	17,645,000	17,645,000	21,880,060	163,971,851
2025	18,255,201	18,255,201	0			24										
2026	10,171,462	10,171,462	0		Revenues											
2027	13,038,286	13,038,286	0	169	Pay As You Go - Capital Reserve											
2028	17,645,000	17,645,000	0		0	0	0	0	0	0	0	0	0	0	0	0
2029	17,645,000	17,645,000	0	176	Canada Community Benefit Funding- CCBF Reserve											
2030	17,645,000	17,645,000	0		12,223,557	13,380,630	9,849,000	11,554,800	10,000,000	12,870,527	10,776,250	10,776,250	10,776,250	10,647,000	112,854,264	
2031	21,880,060	21,880,060	0	176CF	Committed Funding											
	163,971,851	163,971,851	0		3,200,000	0	0	0	0	0	0	0	0	0	3,200,000	
				221	Service Sustainability Investm											
					339,867	923,821	4,904,568	6,700,401	171,462	167,759	6,868,750	6,868,750	6,868,750	11,233,060	45,047,188	
				221CF	Committed Funding											
					0	0	2,870,399	0	0	0	0	0	0	0	2,870,399	
					Total	15,763,424	14,304,451	17,623,967	18,255,201	10,171,462	13,038,286	17,645,000	17,645,000	17,645,000	21,880,060	163,971,851
						24										
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2007	4,450,000	4,450,000	0													
2008	10,658,000	10,658,000	0													
2009	16,200,000	16,200,000	0													
2010	16,200,000	16,200,000	0													
2011	8,217,000	8,217,000	0													
2012	2,404,300	904,300	1,500,000													
2013	4,000,000	4,000,000	0													
2014	7,637,000	7,637,000	0													
2015	6,364,810	6,364,810	0													
2016	7,787,000	7,787,000	0													
2017	7,787,000	7,787,000	0													
2018	8,887,000	8,887,000	0													
2019	9,152,263	9,152,263	0													
2020	10,302,074	10,302,074	0													
2021	13,086,805	12,831,560	255,245													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	Any budget deferral in approved funding will result in an increase in the operating budget for temporary repairs and maintenance.						0	0				
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2007	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Phong Nguy / Michael Cappucci				Ongoing`								

PROPOSED 2022 ROAD REHABILITATION PROGRAM

ITEM NO.	STREET	FROM	TO	REHAB. TYPE
1	LINCOLN RD	SENECA ST	TECUMSEH RD E	R
2	LANGLOIS AVE	GILES BLVD	SHEPHERD ST	R
3	WESTMINSTER BLVD	TECUSMEH RD	ADSTOLL AVE	R
4	JOSEPHINE AVE	WYANDOTTE ST W	ROONEY ST	R
5	ROONEY ST	CAMPBELL AVE	PARTINGTON AVE	R
6	LANGLOIS CRT	GRAND MARAIS RD	CUL-DE-SAC	M
7	LANGLOIS CRT	N OF STANLEY	S OF STANLEY	M
8	JACOB DR	STANLEY ST	STANLEY ST	M
9	STANLEY ST	JACOB DR	SOUTH PACIFIC AVE	M
10	LIONEL DR	SOUTH PACIFIC AVE	WAVERLY ST	M
12	WAVERLY ST	LANGLOIS CRT	LIONEL DR	M
13	OJIBWAY ST	MORTON DR	BROADWAY ST	R
TOTAL CITY WIDE REHABILITATION			\$ 15,194,741	
E.C. ROW REHABILITATION:				
	E.C. ROW	TBD		
TOTAL E.C. ROW REHABILITATION			\$ 1,000,000	
TOTAL PROGRAM BUDGET			\$ 16,194,741	

M	Mill and Pave
R	Full Road Reconstruction
M/R	Mill & Pave AND Road Reconstruction
PN	Panel / Joint repairs
LIP**	Rehabilitation after completion of Local Improvement

NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets

****LIP = SUBJECT TO EXHAUSTION OF LOCAL IMPROVEMENT PROCESS AS PER M39-2014**

PROPOSED 2023 ROAD REHABILITATION PROGRAM

ITEM NO.	STREET	FROM	TO	REHAB. TYPE
1	S/B GLENDALE AVE	EMPRESS ST	TECUMSEH RD	R
2	ROCKWELL BLVD	WEST GRAND BLVD	CUL-DE-SAC	R
3	GARDEN CRT	EDGAR AVE	HOMEDALE BLVD	M
4	WINDSOR AVE	ERIE ST	GILES BLVD	M
5	MCEWAN AVE	RIVERSIDE DR W	UNIVERSITY AVE	M
6	ELLIS ST E	ELSMERE AVE	PARENT AVE	R
7	GOYEAU BLVD	ERIE ST	ELLIOTT ST	M
8	GOYEAU BLVD	GILES BLVD	ELLIS ST	M
9	HURON CHURCH RD	COLLEGE AVE	TECUMSEH RD	PN
TOTAL CITY WIDE REHABILITATION			\$	6,504,451
E.C. ROW REHABILITATION:				
1	E.C. ROW - E/B	LAUZON RD	BANWELL RD	M
2	E.C. ROW - W/B	BANWELL RD	LAUZON RD	M
3	E.C. ROW - W/B	DOUGALL OFF RAMP		R
TOTAL E.C. ROW REHABILITATION			\$	7,800,000
TOTAL PROGRAM BUDGET			\$	14,304,451

M	Mill and Pave
R	Full Road Reconstruction
M/R	Mill & Pave AND Road Reconstruction
PN	Panel / Joint repairs
LIP**	Rehabilitation after completion of Local Improvement

NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets

****LIP = SUBJECT TO EXHAUSTION OF LOCAL IMPROVEMENT PROCESS AS PER M39-2014**

PROPOSED 2024 ROAD REHABILITATION PROGRAM

ITEM NO.	STREET	FROM	TO	REHAB. TYPE
1	MERCER ST	SHEPHERD ST	HANNA ST	R
2	TECUMSEH RD E	CENTRAL AVE	DROUILLARD RD	R/M
3	OAK AVE	RIVERSIDE DR	UNIVERSITY AVE	M
4	MOY AVE	TECUMSEH RD	YPRES AVE	M
5	ROSSINI BLVD	TECUMSEH RD	GRAND MARAIS RD E	R/LIP
6	ELLIS ST	GLADSTONE AVE	PARENT AVE	R
7	HOWARD / TECUMSEH	INTERSECTION		R
8	COLLEGE AVE	HURON CHURCH RD	CALIFORNIA AVE	R
9	TECUMSEH RD W	HURON CHURCH RD	PRINCE RD	R/M
10	LAUZON	EC ROW	TECUMSEH	R/M
TOTAL CITY WIDE REHABILITATION			\$ 14,982,717	
E.C. ROW REHABILITATION:				
1	E.C. ROW	DOMINION BLVD	HURON CHURCH RD	R
TOTAL E.C. ROW REHABILITATION			\$ 2,500,000	
TOTAL PROGRAM BUDGET			\$ 17,482,717	

M	Mill and Pave
R	Full Road Reconstruction
M/R	Mill & Pave AND Road Reconstruction
PN	Panel / Joint repairs
LIP**	Rehabilitation after completion of Local Improvement

NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets

**LIP = SUBJECT TO EXHAUSTION OF LOCAL IMPROVEMENT PROCESS AS PER M39-2014

PROPOSED 2025 ROAD REHABILITATION PROGRAM

ITEM NO.	STREET	FROM	TO	REHAB. TYPE
1	HUNTINGTON AVE	GRANADA AVE	CABANA RD	M
2	LONGFELLOW AVE	WEST GRAND BLVD	CABANA RD	M
3	SOMME AVE	FRANCOIS RD	ARTHUR RD	M
4	LIBERTY ST	DOUGALL AVE	VICTORIA AVE	R
5	OJIBWAY PKWY	WEAVER RD	MORTON DR	R
7	DOUGALL PARKWAY	DOUGALL AVE	HIGHWAY 401	M
8	TECUMSEH RD	PILLETTE RD	CENTRAL AVE	M
TOTAL CITY WIDE REHABILITATION			\$	16,235,672
E.C. ROW REHABILITATION:				
	E.C. ROW	TBD		
TOTAL E.C. ROW REHABILITATION			\$	2,000,000
TOTAL PROGRAM BUDGET			\$	18,235,672

M	Mill and Pave
R	Full Road Reconstruction
M/R	Mill & Pave AND Road Reconstruction
PN	Panel / Joint repairs
LIP**	Rehabilitation after completion of Local Improvement

NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets

****LIP = SUBJECT TO EXHAUSTION OF LOCAL IMPROVEMENT PROCESS AS PER M39-2014**

PROPOSED 2026 ROAD REHABILITATION PROGRAM

ITEM NO.	STREET	FROM	TO	REHAB. TYPE
1	MARENTETTE AVE	SYDNEY AVE	KAMLOOPS ST	R
2	YPRES AVE	ALEXIS RD	MELDRUM RD	R
3	COUNRTY CLUB DR	HOWARD AVE	COUSINEAU RD	M
4	CHESTNUT DR	BEACHDALE RD	KERBY RD	M
5	KERBY RD	RIDGE RD	CHESTNUT DR	M
6	LILAC LN	LAUZON RD	ESPLANADE DR	R
7	ST ETIENNE BLVD	KAUTEX DR	MANHEIM WAY	R
TOTAL CITY WIDE REHABILITATION			\$	8,500,000
E.C. ROW REHABILITATION:				
	E.C. ROW	TBD		
TOTAL E.C. ROW REHABILITATION			\$	1,500,000
TOTAL PROGRAM BUDGET			\$	10,000,000

M	Mill and Pave
R	Full Road Reconstruction
M/R	Mill & Pave AND Road Reconstruction
PN	Panel / Joint repairs
LIP**	Rehabilitation after completion of Local Improvement

NOTE: Road Segments may be reprioritized in coordination with WUC watermain projects and budgets

****LIP = SUBJECT TO EXHAUSTION OF LOCAL IMPROVEMENT PROCESS AS PER M39-2014**



Project Version Summary

Project #	OPS-001-11	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Minor Alley Maintenance Program		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
The City has 79 kms of paved alleyways, primarily in the older sections of the City, which serve as part of the public right of way. This pavement degrades over time and requires periodic replacement and repairs. As of June 2021, 41 kms of paved alley are "now" deficient, 20 kms will be "now" deficient in 1 - 5 years, 11 kms will be "now" deficient in 6 - 10 years, and 7 kms are considered "adequate".																
Project Comments/Reference				Version Comments												
7121000																
Project Forecast				Project Detailed Forecast												
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Net City Cost	Subsidies													
2022	200,000	200,000	0	Expenses												
2023	200,000	200,000	0	5410	Construction Contracts - TCA											
2024	200,000	200,000	0		200,000	200,000	200,000	200,000	200,000	200,000	250,000	250,000	250,000	250,000	2,200,000	
2025	200,000	200,000	0	Total	200,000	200,000	200,000	200,000	200,000	200,000	250,000	250,000	250,000	250,000	2,200,000	
2026	200,000	200,000	0	Revenues												
2027	200,000	200,000	0	221	Service Sustainability Investm											
2028	250,000	250,000	0		200,000	200,000	200,000	200,000	200,000	200,000	250,000	250,000	250,000	250,000	2,200,000	
2029	250,000	250,000	0	Total	200,000	200,000	200,000	200,000	200,000	200,000	250,000	250,000	250,000	250,000	2,200,000	
2030	250,000	250,000	0													
2031	250,000	250,000	0													
	2,200,000	2,200,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2014	100,000	100,000	0													
2016	100,000	100,000	0													
2017	100,000	100,000	0													
2018	100,000	100,000	0													
2019	1,050,000	1,050,000	0													
2020	100,000	100,000	0													
2021	100,000	100,000	0													

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact									
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
			<table border="0"> <tr> <td>Effective Date</td> <td>Description</td> <td></td> <td>Exp/(Rev)</td> <td>FTE Impact</td> </tr> <tr> <td>Unknown</td> <td>Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.</td> <td></td> <td>0</td> <td>0</td> </tr> </table>	Effective Date	Description		Exp/(Rev)	FTE Impact	Unknown	Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.		0	0		
Effective Date	Description		Exp/(Rev)	FTE Impact											
Unknown	Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.		0	0											
2011	January 1, 2016	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy / Roberta Harrison	Ongoing`											



Project Version Summary

Project #	OPS-002-11	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Minor Road Deficiencies Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>The rehabilitation of the city's roadways is performed on a life cycle basis and subject to available funding in Project OPS-001-07 (Citywide Road Rehabilitation). This work tends to be done on entire sections of a roadway (i.e. Ouellette Avenue from Erie Street to Giles Blvd.) In some instances, however, significant repairs to roadways are required that are too small to be assigned to the annual OPS-001-07 rehab. cycle but large enough to put the ROW Maintenance operating budget under strain. The Minor Road Rehab. project addresses these types of pavement repairs and allow the ROW Maintenance operating budget to focus on potholes and other small right of way repairs. Also included in this program is the routing and sealing of cracks in asphalt, spray patching, and pavement repairs to extend the life cycle where possible.</p>	<p>Version Description</p>
<p>Project Comments/Reference</p> <p>7111023</p>	<p>Version Comments</p> <p>COMMITMENTS: CR512/2021 C 146/2021: 2022 F221 \$1,346,532</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	3,259,111	3,259,111	0	5410	Construction Contracts - TCA										
2023	2,967,386	2,967,386	0		3,259,111	2,967,386	4,075,660	4,133,934	3,800,000	3,800,000	3,000,000	3,000,000	3,000,000	3,000,000	34,036,091
2024	4,075,660	4,075,660	0		Total	3,259,111	2,967,386	4,075,660	4,133,934	3,800,000	3,800,000	3,000,000	3,000,000	3,000,000	34,036,091
2025	4,133,934	4,133,934	0	Revenues											
2026	3,800,000	3,800,000	0	221	Service Sustainability Investm										
2027	3,800,000	3,800,000	0		1,912,579	2,967,386	4,075,660	4,133,934	3,800,000	3,800,000	3,000,000	3,000,000	3,000,000	3,000,000	32,689,559
2028	3,000,000	3,000,000	0	221CF	Committed Funding										
2029	3,000,000	3,000,000	0		1,346,532	0	0	0	0	0	0	0	0	0	1,346,532
2030	3,000,000	3,000,000	0		Total	3,259,111	2,967,386	4,075,660	4,133,934	3,800,000	3,800,000	3,000,000	3,000,000	3,000,000	34,036,091
2031	3,000,000	3,000,000	0												
	34,036,091	34,036,091	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2011	500,000	500,000	0												
2012	500,000	500,000	0												
2013	250,000	250,000	0												
2014	550,000	550,000	0												
2015	539,000	539,000	0												
2016	250,000	250,000	0												
2017	250,000	250,000	0												
2018	140,000	140,000	0												
2019	400,000	400,000	0												
2020	292,563	292,563	0												
2021	350,837	350,837	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2011	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Phong Nguy / Roberta Harrison					Ongoing`						



Project Version Summary

Project #	OPS-003-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Bridge Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Ongoing maintenance and rehabilitation of existing bridges throughout the City, including bridges for roadways, railways, streams and drains and pedestrian bridges. The program funds rehabilitation of 59 bridges, 12 culverts with spans greater than 3m, 5 pedestrian bridges, and 1 subway. An annual expenditure of \$5-\$8 million is required to replace these bridges on a 50 to 75 year cycle.</p> <p>Note: List may change subject to ongoing OSIM investigations as well as the results of Structural Condition Surveys. In addition, unexpected failures of structures may occur which would require reprioritization of rehabilitation.</p>	<p>2022: \$2.170 million - Repairs and maintenance as required (all structures) - Wyandotte at CPR (#206) 2023: \$3.160 million - Repairs and maintenance as required (all structures) - Wyandotte at CPR (#206) 2024: \$0.500 million - Repairs and maintenance as required (all structures) - Wyandotte at CPR (#206) 2025: \$0.500 million - Repairs and maintenance as required (all structures) - Engineering evaluation / design for Wyandotte at CPR (#206) 2026: \$2.500 million - Repairs and maintenance as required (all structures) - Wyandotte at CPR (#206) 2027: \$5.000 million - Repairs and maintenance as required (all structures) - Wyandotte at CPR (#206) 2028: \$1.000 million - Repairs and maintenance as required (all structures) 2029: \$1.000 million - Repairs and maintenance as required (all structures) 2030: \$1.000 million - Repairs and maintenance as required (all structures) 2031: \$1.000 million - Repairs and maintenance as required (all structures)</p> <p>Note: the Wyandotte at CPR (#206) structure was originally slotted in for full rehabilitation in 2022 at a cost of approximately \$15.0 million. A minor rehabilitation was completed in 2017 that allowed the full rehabilitation to be deferred 10-years for completion in 2027. Funds will be accumulated annually for this work in 2027.</p> <p>Various repairs and maintenance possible on all structures as required include joint replacement, barrier wall replacement, bridge washing, patch repairs, crack injection, and concrete sealing. There will also be culvert replacements pending for areas in the annexed lands to complete in the coming 10-years.</p>
Project Comments/Reference	Version Comments
<p>Active: 7181022/ 7191021/ 7192010 /7201012/ 7211030/7221009</p> <p>E.C. ROW PROJECTS: (Closed: 7081025/7091023/7091024/7111003/7101004/7101011/7111021/7141026/7141027/7141047/7151009/7151002)</p> <p>BRIDGE PROJECTS: (Closed: 7081025 / 7091024 / 7101004 / 7111003/ 7141047 / 7151009/ 7161028/ 7171018)</p>	<p>COMMITMENT: CR247/2019 C 81/2019 - Connecting Links 4 Grant: 2022 F221 \$1,000,000 - 2023 F221 \$1,816,058</p> <p>Note: Funds released as ICIP Public Transit Grant was successful and funding switched to OPS-001-07 and ECP-003-09.</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	2,170,000	2,170,000	0	5410	Construction Contracts - TCA										
2023	3,160,770	3,160,770	0		2,170,000	3,160,770	500,000	500,000	2,500,000	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	17,830,770
2024	500,000	500,000	0		Total	2,170,000	3,160,770	500,000	500,000	2,500,000	5,000,000	1,000,000	1,000,000	1,000,000	17,830,770
2025	500,000	500,000	0			0									
2026	2,500,000	2,500,000	0	Revenues											
2027	5,000,000	5,000,000	0	176	Canada Community Benefit Funding- CCBF Reserve										
2028	1,000,000	1,000,000	0		0	0	0	0	914,000	463,473	0	0	0	0	1,377,473
2029	1,000,000	1,000,000	0	221	Service Sustainability Investm										
2030	1,000,000	1,000,000	0		2,170,000	3,160,770	500,000	500,000	1,586,000	4,536,527	1,000,000	1,000,000	1,000,000	1,000,000	16,453,297
2031	1,000,000	1,000,000	0		Total	2,170,000	3,160,770	500,000	500,000	2,500,000	5,000,000	1,000,000	1,000,000	1,000,000	17,830,770
	17,830,770	17,830,770	0			0									
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	1,550,000	1,550,000	0												
2008	1,450,000	1,450,000	0												
2009	2,500,000	2,500,000	0												
2010	2,379,000	2,379,000	0												
2011	800,000	800,000	0												
2015	500,000	500,000	0												
2016	4,000,000	4,000,000	0												
2017	4,000,000	4,000,000	0												
2018	2,500,000	2,500,000	0												
2019	3,200,000	3,200,000	0												
2020	3,399,000	3,399,000	0												
2021	1,204,000	1,204,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Any budget deferral in approved funding will result in increased operating costs for temporary repairs, patching and unscheduled maintenance as required.							0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2007	January 1, 2016	Growth: 0.0 % Maintenance: 100.0 %		Phong Nguy				Ongoing`							



Project Version Summary

Project #	OPS-004-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Sidewalk Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>This program covers the rehabilitation of existing sidewalks citywide. There are 962 kms of sidewalks in the City, of which 6 kms are in "Poor" condition and 83 kms are in "Fair" condition. Based on a 40-year replacement cycle, the perpetual annual cost for the replacement of this infrastructure is approximately \$3 million. This would be in addition to the approximately \$10.5 million required to address all "Poor" and "Fair" sidewalks and to widen the sidewalks to AODA standards at the time of replacement. From a risk management point of view, funding should be increased to reduce trip and fall claims.</p> <p>Effective January 1, 2016, the Accessibility for Ontarians with Disabilities Act (AODA) required width of sidewalks to increase from 1.2 meters to 1.5 meters. This increases the cost of sidewalk replacements. As the change is implemented, Administration is including the increased costs in budget projections.</p>	<p>Version Description</p> <p>Because the 10-Year Capital Budget does not fully address immediate needs, the annual sidewalk inspection and condition assessment program as well as additional liability claims will influence replacements in 2022 and beyond.</p>
<p>Project Comments/Reference</p> <p>See Document Attached</p> <p>(Closed: 7091025/7101003/7111022/7121007/7131115/7141028/7151011/7161029/7171019) Active: 7181023/7191006/ 7191030/ 7201013/ 7211031/7221011</p>	<p>Version Comments</p> <p>Note: CR166/2021 C 42/2021: \$187,304 from 2022 and \$292,304 annually from 2023-2025 redirected to OPS-001-21(Streetlight Pole Replacement)</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	861,190	861,190	0	5410	Construction Contracts - TCA										
2023	756,190	756,190	0		861,190	756,190	1,207,696	1,207,696	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,032,772
2024	1,207,696	1,207,696	0		Total	861,190	756,190	1,207,696	1,207,696	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,032,772
2025	1,207,696	1,207,696	0	Revenues											
2026	1,500,000	1,500,000	0	221	Service Sustainability Investm										
2027	1,500,000	1,500,000	0		861,190	756,190	1,207,696	1,207,696	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,032,772
2028	1,500,000	1,500,000	0		Total	861,190	756,190	1,207,696	1,207,696	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,032,772
2029	1,500,000	1,500,000	0												
2030	1,500,000	1,500,000	0												
2031	1,500,000	1,500,000	0												
	13,032,772	13,032,772	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	950,000	950,000	0												
2008	850,000	850,000	0												
2009	2,000,000	2,000,000	0												
2010	2,000,000	2,000,000	0												
2011	1,250,000	0	1,250,000												
2012	1,200,000	1,200,000	0												
2013	250,000	250,000	0												
2014	400,000	400,000	0												
2015	1,350,000	1,350,000	0												
2016	500,000	500,000	0												
2017	500,000	500,000	0												
2018	317,500	317,500	0												
2019	700,000	700,000	0												
2020	489,297	489,297	0												
2021	559,197	559,197	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Insufficient budget approval will result in increased operating costs and claims.						0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2007	January 2, 2015	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy	Ongoing`											

PROPOSED SIDEWALK REHABILITATION 10 YEAR PROGRAM - 2022 to 2031 (Alphabetical Listing)			
STREET	FROM	TO	SIDE OF STREET
CORAGREENWOOD	RIVERSIDE	LITTLE RIVER	E/W
ALEXIS	ST.JULIEN	MONS	E/W
ALEXIS	MONS	SOMME	N/W
BABY	TOURNIER	MILL	E/W
BALFOUR	EMPRESS	SOUTHNATIONAL	W
BROCK	BLOOMFIELD	PETER	E/W
BUCKINGHAM	LASSALINE	CORONATION	E/W
CALIFORNIA	BALMORAL	GRANDMARIAS	E/W
CALIFORNIA	BALMORAL	NORFOLK	E/W
CARON	PARK	WYANDOTTE	E
CARON	WYANDOTTE	ELLIOTT	E
CARON	WYANDOTTE	ELLIOTT	E
CENTRAL	GUY	TECUMSEH	W
CENTRAL	GUY	MILLOY	E
CENTRAL	MILLOY	ALICE	E/W
CENTRAL	ALICE	REGINALD	E/W
CENTRAL	REGINALD	SEMINOLE	E
CHATHAM	PELISSIER	FERRY	N
CHATHAM	OUELLETTE	GOYEAU	N
CHILVER	TECUMSEH	LENS	E
CHILVER	ASSUMPTION	RIVERSIDE	W/E
CRAWFORD	ERIE	GROVE	W
DOMINION	NORFOLK	ROSELAWN	W
DOT	GIRARDOT	MANCHESTER	W

STREET	FROM	TO	SIDE OF STREET
DOT	GIRARDOT	MANCHESTER	E
DOUGALL	WEST GRAND	LIBERTY	W
DROUILLARD	WYANDOTTE	EDNA	E/W
EDNA	WALKER	MONTREUIL	S
EDWARD	EDGAR	MONTROSE	E
ELM	WYANDOTTE	DEAD END	E
FERNDALE	SOUTH NATIONAL	CORONATION	E/W
FERNDALE	EMPRESS	CORONATION	E/W
FORD	SOUTHNATIONAL	LASSALINE	E/W
FORD	CORONATION	LASSALINE	E/W
FRANCOIS	REGINALD	ALICE	W
FRANCOIS	DEAD END	FRANKLIN	E
FRANCOIS	ALICE	MILLOY	E/W
GILES	OUELLETTE	PELISSIER	N
GILES	VICTORIA	DOUGALL	S
GRAND MARAIS	ALLYSON	GEORGE	N
GREENPARK	WYANDOTTE	LITTLERIVER	E
HICKORY	ONTARIO	HICKORY	E
HIGHLAND	TECUMSEH	LENS ALLEY	E/W
HOWARD	NEAL	LAKE TRAIL	W
HURON CHURCH	UNIVERSITY	PETER	W
HURON CHURCH	PETER	DONELLY	W
HURON CHURCH	DONELLY	WYANDOTTE	W
HURON CHURCH	UNIVERSITY	PETER	
HURON CHURCH	PETER	DONNELLY	
INDIAN	WYANDOTTE	MILL	E
JEROME	WATSON	WESCHESTER	N/S

STREET	FROM	TO	SIDE OF STREET
KILDARE	WYANDOTTE	TUSCARORA	E/W
KILDARE	VIMY	YPRES	W
LAKEVIEW	DILLION	LITTLERIVER	W
LAUZON	MCHUGH	TECUMSEH/EASTTOWN MALL	W
LAUZON	WYANDOTTE	RIVERSIDE	E/W
LINWOOD	TOURNIER	FELIX	N/S
LOCKE	LYNN	3850 LOCKE (@ SOUTH P/L)	E
LONGFELLOW	GRAND MARAIS	LONGFELLOW	W
MARENTETTE	SOUTH OF TECUMSEH	DEAD END	E/W
MATCHETTE	MELBOURNE	STRATHMORE	E/W
MATCHETTE	STRATHMORE	CUL DE SAC	E/W
MCDOUGALL	MONARCH	HOLDEN	W
MONMOUTH	CATARAQUI	NIAGARA	E/W
MOUNTROYAL	COUSINEAU	CABANA	W
MOY	TECUMSEH	LENS	E
PILETTE	PLYMOUTH	END	E/W
PILLETTE	WYANDOTTE ST. E.	ONTARIO	E/W
PLYMOUTH	TOURNAGEAU	ROBERT	N
PLYMOUTH	ROBERT	PILLETTE	N
RANKIN	WYANDOTTE	UNION	E
REGINALD	ST.LUKE	ALBERT	N/S
RIVARD	ROSE	JOINVILLE	W
RIVARD	JOINVILLE	HAIG	W
RIVARD	HAIG	GRAND	W
RIVERSIDE	HURON CHURCH	ROSEDALE	N
RIVERSIDE	JANETTE	CARON	N
RIVERSIDE	PATRICE	ST. ROSE	S

STREET	FROM	TO	SIDE OF STREET
ROSEBRIAR	FOREST GLADE	WILDWOOD	W
ROSEVILLE GARDEN	TECUMSEH	CHARLIE BROOKS	E/W
ROSEVILLE GARDEN	CHARLIE BROOKS	VINE	E/W
ROSEVILLE GARDEN	VINE	THORNBERRY	N/S
ROSEVILLE GARDEN	THORNBERRY	THORNBERRY	N/S
ROSEVILLE GARDEN	THORNBERRY	JEFFERSON	N/S
SANDWICH	DETROIT	ROSEDALE	S
SANDWICH	52M S/O JOHN B	PROSPECT	W
SEMINOLE	WALKER	ST LUKE	N
SHERWAY	ESPLANADE	ASGARD	W
SHERWAY	ASGARD	RIDGE	W
ST. PAUL	WYANDOTTE	ST. ROSE	E/W
TECUMSEH	PENANG	FOREST GLADE	N
TECUMSEH	SOUTH PACIFIC	MUNICIPAL LANE	N
TOURNIER	LINWOOD	BABY	N/S
TRENTON	DROUILLARD	CADILLAC (HENRY FORD CENTRE)	N
TURNER	VIMY	YPRES	E/W
TUSCARORA	WINDSOR	MCDUGALL	N/S
UNIVERSITY	DOUGALL	CHURCH	N/S
UNIVERSITY	VISTA	HURON CHURCH	N
VICTORIA	CHATHAM	UNIVERSITY	E
WALKER	NIAGARA	RICHMOND	W
WALKER	SEMINOLE	MUNSEE	W
WEST GRAND	DOMINION	LONGFELLOW	S
WEST GRAND	DOUGALL	DOMINION	S
WESTMINSTER	TECUMSEH	ADSTOLL	E/W
WHELPTON	DROUILLARD	HENRY FORD CENTRE	N

STREET	FROM	TO	SIDE OF STREET
WILDWOOD	DEERBROOK	HALPIN	S
WILDWOOD	FOREST GLADE	REGIS	E/W
WINDERMERE	TECUMSEH	LENS	W
WOODLAWN	LENS	VIMY	E/W
WYANDOTTE	CRAWFORD	OAK	N
WYANDOTTE	MCKAY	CURRY	N
N	NORTH SIDE		
S	SOUTH SIDE		
E	EAST SIDE		
W	WEST SIDE		
CURB	AND Reconstruction of Curb & Gutter		
NOTE: Sidewalk Segments will be prioritized in coordination with other Capital Projects, Road Rehabs and WUC watermain projects and budgets			



Project Version Summary

Project #	OPS-005-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Railway Lands Fencing		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
Install and maintain fencing at key locations along railway lands to prevent trespassing (annual general allotment to be based on needs analysis).	

Project Comments/Reference	Version Comments
7045005	

Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Revenue													
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>												
2022	100,000	50,000	50,000												
2023	100,000	50,000	50,000												
2024	150,000	75,000	75,000												
2025	150,000	75,000	75,000												
2026	150,000	75,000	75,000												
2027	150,000	75,000	75,000												
2028	150,000	75,000	75,000												
2029	150,000	75,000	75,000												
2030	150,000	75,000	75,000												
2031	100,000	50,000	50,000												
	1,350,000	675,000	675,000												
				Expenses											
				5410	Construction Contracts - TCA										
					100,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	100,000	1,350,000
				Total	100,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	100,000	1,350,000
				Revenues											
				169	Pay As You Go - Capital Reserve										
					50,000	50,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	50,000	675,000
				6735	Recovery Of Expenses EXTERNAL										
					50,000	50,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	50,000	675,000
				Total	100,000	100,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	100,000	1,350,000

Historical Approved Budget						
				Revenue		
Year	Total Expense	Net City Cost	Subsidies			
2008	100,000	50,000	50,000			
2009	100,000	50,000	50,000			
2010	100,000	50,000	50,000			
2011	100,000	50,000	50,000			
2014	100,000	50,000	50,000			
2018	100,000	50,000	50,000			
2019	100,000	50,000	50,000			
2020	75,000	75,000	0			

Related Projects			Operating Budget Impact	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2007	January 1, 2018	Growth: 100.0 % Maintenance: 0.0 %	Phong Nguy	Ongoing`
			Effective Date	Description
			Unknown	Ongoing maintenance of any new fencing is required
			Exp/(Rev)	FTE Impact
			0	0



Project Version Summary

Project #	OPS-005-19	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Gravel Alley Drainage Improvements		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
The City has approximately 148km of In Service Alleys. Of the 148km, approximately 69km are unpaved. Over the course of time, as a result of routine maintenance and various construction activities, drainage in many of the unpaved alleys has become an issue leading to improper drainage, standing water and flooding on private property. In order to address these concerns, it is often necessary to install additional drainage, lower the existing grades to promote drainage, or remove damaged areas in the alleys. Alley condition ratings and residential complaints are used to track problem alleys requiring remedial works. This fund would be used to address alley areas of concern.																
Project Comments/Reference				Version Comments												
7211032																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2022	50,000	50,000	0													
2023	0	0	0													
2024	0	0	0													
2025	0	0	0													
2026	0	0	0													
2027	0	0	0													
2028	200,000	200,000	0													
2029	200,000	200,000	0													
2030	200,000	200,000	0													
2031	200,000	200,000	0													
	850,000	850,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2021	50,000	50,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description	Exp/(Rev)	FTE Impact									
				Unknown	Any budget deferral in approved funding will result in increased operating costs for temporary repairs, patching, and unscheduled maintenance as required.	0	0									

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2019	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy / Roberta Harrison	Ongoing`



Project Version Summary

Project #	OPS-005-22	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Orphan Monuments, Gateways and Miscellaneous Installations and Maintenance		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
<p>From time to time, monuments, gateways and other items, including decorative pieces have been constructed in the public right-of-way. These projects integrate beauty and history into the fabric of the City and enriches residents' lives as well as contributing to the physical attractiveness of our City. However, these items require maintenance to ensure they last as long as possible. In the past, responsibility for maintaining these items has not always been contemplated or clearly communicated at the time of their construction. Failure to maintain the monuments, gateways and decorative pieces will cause them to deteriorate and become unsightly to residents and visitors to the City. This project provides funding for maintenance on those items for which responsibility and maintenance funding has not been previously identified.</p> <p>The corridors of Dougall Avenue, Howard Avenue, and Huron Church Road represent gateways to the community. Aesthetic improvements to the structures at westbound E.C. Row Expressway as well as at the Ouellette Avenue overpass of CPR/ETR will provide continuity and enhancement of appearance for those travelling these routes.</p>																
Project Comments/Reference				Version Comments												
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	Expenses												
2022	0	0	0	5410	Construction Contracts - TCA											
2023	0	0	0		0	0	200,000	25,000	0	0	25,000	25,000	25,000	0	300,000	
2024	200,000	200,000	0		Total	0	0	200,000	25,000	0	0	25,000	25,000	25,000	0	300,000
2025	25,000	25,000	0	Revenues												
2026	0	0	0	221	Service Sustainability Investm											
2027	0	0	0		0	0	200,000	25,000	0	0	25,000	25,000	25,000	0	300,000	
2028	25,000	25,000	0		Total	0	0	200,000	25,000	0	0	25,000	25,000	25,000	0	300,000
2029	25,000	25,000	0													
2030	25,000	25,000	0													
2031	0	0	0													
	300,000	300,000	0													
Historical Approved Budget																

Related Projects		Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2022	January 1, 2022	Growth: 0.0 % Maintenance: 0.0 %	Phong Nguy	Ongoing`



Project Version Summary

Project #	OPS-006-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	"At-Grade" Railway Crossings		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>This program is used to provide improvements and rehabilitation for all 61 of the city's 'At Grade' railway crossings. The City of Windsor, by order of the Canadian Transportation Agency, is required to cost share with the maintenance with the railways. Placeholder amounts are to be used as needs arise. There are annual federal cost sharing opportunities available for at-grade rail crossing upgrades. Due to amendments to the Grade Crossing Regulations introduced by Transport Canada in 2014, all required maintenance to at-grade crossings will need to be completed by November 2021. In order to increase our opportunity to receive federal cost sharing, Administration recommends that required rehabilitation be identified, applicable funding be applied for, and required maintenance scheduled as early as possible. It is anticipated that an additional \$600,000 will be required to complete the rehabilitation and bring all the at-grade crossings up to standards.</p>	<p>Version Description</p> <p>Proposed Railway Crossings:</p> <ul style="list-style-type: none"> - McDougall St CPR - Ojibway Pkwy ETR - Brock Street ETR - Randolph Ave - Dougal Ave CPR - Drouillard Rd. ETR - Parent Trail crossing CPR - 7th Concession CNR
<p>Project Comments/Reference</p> <p>Closed: 7085009/7163002/7163003 Open: 7179001/7111023</p>	<p>Version Comments</p> <p>COMMITMENTS: CR512/2021 C 145/2021: 2022 F221 \$100,000</p>

Project Forecast				Project Detailed Forecast												
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Net City Cost	Subsidies													
2022	125,000	100,000	25,000	Expenses												
2023	125,000	100,000	25,000	5410	Construction Contracts - TCA											
2024	125,000	100,000	25,000		125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	1,250,000	
2025	125,000	100,000	25,000	Total	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	1,250,000	
2026	125,000	100,000	25,000	Revenues												
2027	125,000	100,000	25,000	221	Service Sustainability Investm											
2028	125,000	100,000	25,000		0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	900,000	
2029	125,000	100,000	25,000	221CF	Committed Funding											
2030	125,000	100,000	25,000		100,000	0	0	0	0	0	0	0	0	0	100,000	
2031	125,000	100,000	25,000	6735	Recovery Of Expenses EXTERNAL											
					25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000	
	1,250,000	1,000,000	250,000	Total	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000	1,250,000	
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2008	62,500	50,000	12,500													
2009	62,500	50,000	12,500													
2010	62,500	50,000	12,500													
2011	62,500	50,000	12,500													
2014	50,000	25,000	25,000													
2016	200,000	100,000	100,000													
2017	100,000	100,000	0													
2018	275,000	137,500	137,500													
2019	343,125	325,000	18,125													
2020	85,000	72,500	12,500													
2021	200,000	100,000	100,000													
Related Projects				Operating Budget Impact												
Follows	Project Title			Effective Date	Description								Exp/(Rev)	FTE Impact		
OPS-004-16	Rail Crossing Safety Assessments			Unknown	No Operating Budget Impact								0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2007	January 1, 2018	Growth: 0.0 % Maintenance: 100.0 %		Phong Nguy					Ongoing`							



Project Version Summary

Project #	OPS-006-22	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Connecting Links Intake 7 - 2022-2023 - Huron Church Road		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Project Comments/Reference				Version Comments												
				COMMITMENT: CR486/2021 C 155/2021: 2022 F221 \$59,681 OPS-008-20 CR486/2021 C 155/2021: 2022 F221 \$431,317 OPS-001-07												
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	490,998	490,998	0	5410	Construction Contracts - TCA											
2023	0	0	0		490,998	0	0	0	0	0	0	0	0	0	490,998	
2024	0	0	0	Total											490,998	
2025	0	0	0	Revenues												
2026	0	0	0	221	Service Sustainability Investm											
2027	0	0	0		0	0	0	0	0	0	0	0	0	0	0	
2028	0	0	0	221CF	Committed Funding											
2029	0	0	0		490,998	0	0	0	0	0	0	0	0	0	490,998	
2030	0	0	0	Total											490,998	
2031	0	0	0		490,998	0	0	0	0	0	0	0	0	0	490,998	
490,998		490,998	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2022		Growth: 0.0 % Maintenance: 100.0 %														



Project Version Summary

Project #	OPS-007-19	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Connecting Link 4 2019-2020 Grant - Huron Church Rd.		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 10		
Version Name	Main (Active)		

Project Description	Version Description
Connecting Links 4 - 2019-2020 application was submitted May 31, 2019. Municipalities with one connecting link road are allowed to submit one project per year. This section of road Huron Church Road - Malden Road - Pool Avenue is constantly impacted by the volume of heavy commercial truck traffic.	

Project Comments/Reference	Version Comments
7192010	COMMITMENT: CR247/2019 C 81/2019: 2023 F169 \$1,280,407 - 2023 F221 \$1,280,407 Note: Grant Funding - \$3,000,000. \$1,500,000 rec'd balance by year-end 2020.

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5410	Construction Contracts - TCA										
2023	2,560,814	2,560,814	0		0	2,560,814	0	0	0	0	0	0	0	0	2,560,814
2024	0	0	0	Total	0	2,560,814	0	0	0	0	0	0	0	0	2,560,814
2025	0	0	0	Revenues											
2026	0	0	0	169CF	Committed Funding										
2027	0	0	0		0	1,280,407	0	0	0	0	0	0	0	0	1,280,407
2028	0	0	0	221CF	Committed Funding										
2029	0	0	0		0	1,280,407	0	0	0	0	0	0	0	0	1,280,407
2030	0	0	0	Total	0	2,560,814	0	0	0	0	0	0	0	0	2,560,814
2031	0	0	0												
	2,560,814	2,560,814	0												

Historical Approved Budget	
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Related Projects	Operating Budget Impact

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2019	June 30, 2019	Growth: 0.0 % Maintenance: 0.0 %		2020-12-31`



Project Version Summary

Project #	OPS-007-20	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	ICIP - City Wide Sidewalks (Intake 1)		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
C79/2019				City funding for this project has been transferred in from the Sidewalk Rehabilitation Project OPS-004-07.												
Project Comments/Reference				Version Comments												
7204003				COMMITMENT: CR248/2019 C79/2019 ICIP Public Transit (ICIP-WIN-04): 2022 F221 \$451,506 - 2023 F221 \$451,506												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	1,020,908	451,506	569,402	5410 Construction Contracts - TCA												
2023	1,519,136	451,506	1,067,630	1,020,908 1,519,136 533,815 355,876 177,939 0 0 0 0 0 3,607,674												
2024	533,815	0	533,815	Total 1,020,908 1,519,136 533,815 355,876 177,939 0 0 0 0 0 3,607,674												
2025	355,876	0	355,876	8												
2026	177,939	0	177,939	Revenues												
2027	0	0	0	221CF Committed Funding												
2028	0	0	0	451,506 451,506 0 0 0 0 0 0 0 903,012												
2029	0	0	0	6310 Ontario Specific Grants												
2030	0	0	0	258,805 485,260 242,630 161,753 80,877 0 0 0 0 0 1,229,325												
2031	0	0	0	6320 Canada Specific Grants												
	3,607,674	903,012	2,704,662	310,597 582,370 291,185 194,123 97,062 0 0 0 0 0 1,475,337												
				Total 1,020,908 1,519,136 533,815 355,876 177,939 0 0 0 0 0 3,607,674												
				8												
Historical Approved Budget				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2020	July 1, 2019	Growth: 0.0 % Maintenance: 100.0 %		Phong Nguy					2025`							



Project Version Summary

Project #	OPS-009-20	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Connecting Link Intake 5 Project - Huron Church Rd.		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	Ward 2		
Version Name	Main (Active)		

Project Description	Version Description
<p>Reconstruction of Huron Church Road from Girardot to the ETR railway racks north of College Avenue as well as road panel and median repairs from Girardot to Tecumseh. This work involves removing 14" of the current concrete and stone, and replacing with 16" granular A base, a 4" drainage layer topped by 12" of concrete. Administration is proposing to proceed with the conventional 12" heavy duty concrete road cross-section, the same design used to reconstruct the phase of Huron Church Road from Malden Road to Pool Avenue funded by Connecting Links Intake 4. The reconstruction of traffic signals at 2 intersections (Tecumseh and College), median concrete wall repairs, the installation of a new 75mm conduit with 48 SM fibre to replace the existing fibre and watermain replacements from College to Tecumseh will be coordinated with this road repair. The project will span two fiscal years with engineering and design work occurring in 2020 while the reconstruction work is expected to begin in the spring of 2021 and be completed in the Fall of 2021. This section of road is constantly impacted by the volume of heavy commercial truck traffic which has adversely impacted the road and expedited the deterioration.</p>	<p>The total cost for this project is expected to be \$6.0M (including non-recoverable HST) excluding the Windsor Utilities Commission (WUC) watermain component as watermain work is ineligible for this grant funding. Should the City be successful in obtaining Connecting Link funding of \$3M for the Tecumseh Road to College Avenue section, the City would be required to commit approximately \$3M (50% of total costs) to complete the City's work. As is standard practice, the watermain component will be funded by WUC.</p>
Project Comments/Reference	Version Comments
7202007	COMMITMENT: CR530/2019 - C 186/2019: 2022 F176 \$915,000 - 2022 F221 \$80,000 - 2023 F176 \$919,930 - 2023 F221 \$100,000 CR16/2021 - C 251/2021: 2022 F221 \$995,000 - 2023 F221 \$1,019,930 (Funding swap on CR530/2019 from F176 to F221)

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	995,000	995,000	0	5410	Construction Contracts - TCA										
2023	1,019,930	1,019,930	0		995,000	1,019,930	0	0	0	0	0	0	0	0	2,014,930
2024	0	0	0	Total	995,000	1,019,930	0	0	0	0	0	0	0	0	2,014,930
2025	0	0	0	Revenues											
2026	0	0	0	221CF	Committed Funding										
2027	0	0	0		995,000	1,019,930	0	0	0	0	0	0	0	0	2,014,930
2028	0	0	0	Total	995,000	1,019,930	0	0	0	0	0	0	0	0	2,014,930
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	2,014,930	2,014,930	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2021	3,995,000	995,000	3,000,000	Operating Budget Impact											
Related Projects															
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2020	April 1, 2020	Growth: 0.0 % Maintenance: 100.0 %	Phong Nguy	2021`											



Project Version Summary

Project #	OPS-028-18	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Concrete Road Panel Repair Program		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
A new program will be established for repair of concrete road panels on arterial and collector roads throughout the City. These repairs are too large in scope to be considered a minor repair and are not full road rehabilitations, but significant funding is required to undertake these types of repairs. The City has 199 lane km's of concrete arterial and collector roadways (including Riverside Dr.). Many of the required panel repairs are needed to extend them through their life cycle and prevent them from requiring total reconstruction earlier than planned.																
Project Comments/Reference				Version Comments												
7221013																
Project Forecast				Project Detailed Forecast												
		Revenue														
Year	Total Expense	Net City Cost	Subsidies	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
				Expenses												
2022	895,000	895,000	0	5410 Construction Contracts - TCA												
2023	1,500,000	1,500,000	0		895,000	1,500,000	1,500,000	500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,395,000	
2024	1,500,000	1,500,000	0													
2025	500,000	500,000	0													
2026	1,500,000	1,500,000	0													
2027	1,500,000	1,500,000	0													
2028	1,500,000	1,500,000	0													
2029	1,500,000	1,500,000	0													
2030	1,500,000	1,500,000	0													
2031	1,500,000	1,500,000	0													
	13,395,000	13,395,000	0													
				Revenues												
				221 Service Sustainability Investm												
					895,000	1,500,000	1,500,000	500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,395,000	
					Total	895,000	1,500,000	1,500,000	500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	13,395,000	
Historical Approved Budget																
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	Any budget deferral in approved funding will result in an increase in the operating costs for temporary road repairs and patching.								0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2018	January 1, 2022	Growth: 0.0 % Maintenance: 100.0 %		Phong Nguy					Ongoing							



Project Version Summary

Project #	OPS-029-18	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Contracts, Field Services & Maintenance
Title	Curb Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Sewers Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description											
The City has approximately 1687 km's of curb and gutter on roadways. Many sections have been damaged or have reached their service life and require replacement. A new program has been established to allocate funding toward curb and gutter rehabilitation throughout the City. These repairs are too large in scope to be considered a minor concrete repair and are not full road rehabilitations but do require significant funding to maintain.															
Project Comments/Reference				Version Comments											
7219010															
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Revenue		Expenses											
		Net City Cost	Subsidies	5410	Construction Contracts - TCA										
2022	600,000	600,000	0		600,000	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
2023	0	0	0												
2024	300,000	300,000	0		Total	600,000	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
2025	300,000	300,000	0	Revenues											
2026	300,000	300,000	0	028	Sewer Surcharge										
2027	300,000	300,000	0		300,000	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,700,000
2028	300,000	300,000	0	221	Service Sustainability Investm										
2029	300,000	300,000	0		300,000	0	0	0	0	0	0	0	0	0	300,000
2030	300,000	300,000	0		Total	600,000	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
2031	300,000	300,000	0												
	3,000,000	3,000,000	0												
Historical Approved Budget															
				Operating Budget Impact											
Year	Total Expense	Revenue		Effective Date	Description									Exp/(Rev)	FTE Impact
2021	40,000	40,000	0	Unknown	Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.									0	0
Related Projects															
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date							
2018	January 1, 2022	Growth: 0.0 % Maintenance: 100.0 %		Phong Nguy				Ongoing							



Project Version Summary

Project #	OPS-004-22	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Environmental Services
Title	Waste Disposal Bins		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards			
Version Name	Main (Active)		

Project Description				Version Description												
This project is to establish a replacement schedule for capital assets required in the front end loader and roll off service areas of the Environmental Services Division. The front end loader and roll off services are provided to City Departments / Divisions as well as external customers under established contracts. The various waste bins have an expected life cycle of 8 to 12 years depending on the material collected and frequency of use.				This capital replacement program is funded by the containerized collection operating budget. The annual transfer from operating into the capital project for bin replacements is \$15,000. The annual transfer budget will be evaluated annually during the budget development process to determine if the annual transfer is sufficient to fund the plan as set out for 10-years.												
Project Comments/Reference				Version Comments												
7201038																
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	0	0	0	5410	Construction Contracts - TCA											
2023	0	0	0		0	0	0	0	0	0	0	60,550	53,500	54,450	168,500	
2024	0	0	0		0	0	0	0	0	0	0	60,550	53,500	54,450	168,500	
2025	0	0	0	Revenues												
2026	0	0	0	7055	TRANSFER From Current Funds											
2027	0	0	0		0	0	0	0	0	0	0	60,550	53,500	54,450	168,500	
2028	0	0	0		0	0	0	0	0	0	0	60,550	53,500	54,450	168,500	
2029	60,550	0	60,550		0	0	0	0	0	0	0	60,550	53,500	54,450	168,500	
2030	53,500	0	53,500		0	0	0	0	0	0	0	60,550	53,500	54,450	168,500	
2031	54,450	0	54,450		0	0	0	0	0	0	0	60,550	53,500	54,450	168,500	
	168,500	0	168,500													
Historical Approved Budget				Operating Budget Impact												
				Effective Date	Description										Exp/(Rev)	FTE Impact
				Unknown	This project is funded by annual contributions to the project from operating. The required operating transfer will be evaluated annually to ensure there is adequate funding in this program for scheduled replacements.										0	0
Related Projects																
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2022	January 1, 2021	Growth: 0.0 % Maintenance: 0.0 %		Anne Marie Albidone / Jim Leather					Ongoing`							



Project Version Summary

Project #	FRS-001-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Fleet
Title	Fire & Rescue First Response Vehicle Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	2017 (Active)		

Project Description	Version Description
<p>There is a need to maintain the replacement of fire apparatus consistent with the recommendation in the fire master plan. One of the difficulties in the acquisition of fire apparatus is the time between the decision to order and the actual delivery, which typically amounts to a minimum of 12 months. This delay makes it important to maintain an active fire truck replacement schedule to ensure that each vehicle is replaced within its normal service life.</p>	<p>Please see document attached for detailed Fire & Rescue First Response Vehicle Replacement Schedule.</p> <p>An increase of \$10,000 in the annual dedicated reserve contribution for each of the five consecutive years 2020 through 2024 was approved in 2020 operating budget issue #2020-0084 to ensure a sustainable replacement reserve balance per the 10 year replacement plan. Administration reviews the 10-year replacement plans annually. In conjunction with budget development, it was determined that the increases for 2021 and 2022 were not required.</p> <p>Pricing for the new trucks is an estimate and may fluctuate over the life of the plan. Any salvages received will be returned back to this reserve. Per CR363/2010, Report #14903 the funding source is the Fire Major Equipment Reserve (F163).</p>
Project Comments/Reference	Version Comments
<p>See Document Attached (Closed: 7051004/7074066/7101014/7131007/7111025/ 7121011 (2012 trucks)/7161031) Active: 7171013/ 7181025/ 7201006/ 7211045/7221000/7221014</p>	

Project Forecast				Project Detailed Forecast												
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Net City Cost	Subsidies	Expenses												
2022	2,769,000	2,769,000	0	5110	Machinery & Equipment - TCA											
2023	130,000	130,000	0		2,769,000	130,000	2,857,000	55,000	0	2,034,000	5,241,000	4,499,000	191,000	176,000	17,952,000	
2024	2,857,000	2,857,000	0		Total	2,769,000	130,000	2,857,000	55,000	0	2,034,000	5,241,000	4,499,000	191,000	176,000	17,952,000
2025	55,000	55,000	0			0										
2026	0	0	0		Revenues											
2027	2,034,000	2,034,000	0	163	Fire Major Equipment											
2028	5,241,000	5,241,000	0		2,769,000	130,000	2,857,000	55,000	0	2,034,000	5,241,000	4,499,000	191,000	176,000	17,952,000	
2029	4,499,000	4,499,000	0		Total	2,769,000	130,000	2,857,000	55,000	0	2,034,000	5,241,000	4,499,000	191,000	176,000	17,952,000
2030	191,000	191,000	0			0										
2031	176,000	176,000	0													
	17,952,000	17,952,000	0													

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2007	500,000	500,000	0
2008	500,000	500,000	0
2009	556,700	556,700	0
2010	3,297,545	3,297,545	0
2011	2,410,684	2,410,684	0
2012	2,010,316	2,010,316	0
2013	75,000	37,500	37,500
2016	149,000	149,000	0
2017	636,000	636,000	0
2018	47,000	47,000	0
2020	55,000	55,000	0
2021	74,000	74,000	0

Related Projects			Operating Budget Impact		
Effective Date	Description	Exp/(Rev)	FTE Impact		
Unknown	Deferral of replacements contributes to increased repair and operating costs.	0	0		
Unknown	Equipment replacements are funded from annual contributions to the Fire Equipment Reserve Fund #163. Adjustments to the budgeted annual reserve contribution will be required should positive reserve balances become unsustainable over a 10-year period.	0	0		

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2007	January 1, 2013	Growth: 0.0 % Maintenance: 100.0 %	Angela Marazita/Fire Chief Steve Laforet	Ongoing

FLEET REPLACEMENT SCHEDULE - FIRE FLEET
(source: FleetFocus as of September 15, 2021)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
Class 120 - CUBE VANS (Life Cycle 9 - 11 Years)												
3024	2012 GMC SAVANA 3500 CUTAWAY CUBE VAN	APP		56,733								
Class 140 - SPORT UTILITY (Life Cycle 10 Years)												
3022	2013 CHEVROLET TAHOE LT SUV	APP										85,200
3035	2015 CHEVROLET TAHOE LT SUV 4X4	APP		70,039								
4040	2017 FORD EXPLORER SUV XLT 4X4	APP						60,480				
4046	2018 FORD EXPLORER SUV	APP							78,660			
4050	2020 FORD EXPLORER SUV	FIRE							74,100			
4051	2020 FORD EXPLORER SUV	FIRE									96,760	
4052	2020 FORD EXPLORER SUV	FIRE									90,860	
Class 246 - CREW CABS UTILITY (Life Cycle 7 - 9 Years)												
3026	2020 FORD F250 4X4 CREWCAB PICKUP	APP								58,993		
3030	2015 FORD F250 CREWCAB 4X4 PICKUP	APP	74,051									87,119
3036	2015 FORD F250 CREWCAB 4X4 PICKUP	APP			56,599							
4041	2016 FORD F250 CREWCAB PICKUP 4X4	APP				54,000						
Class 4000 - FIRE RESCUE (Life Cycle 15+ Years)												
4043	2016 SPARTAN ROSENBAUER RESCUE PUMPER	APP										
4047	2018 KENWORTH HACKNEY T370 PUMPER	APP										
Class 4100 - FIRE ENGINE (Life Cycle 15+ Years)												
4022	2007 PIERCE VELOCITY ENGINE 1	SOLD	882,300									
4023	2007 SPARTAN ROSENBAUER ENGINE 6	APP	882,300									
4024	2007 SPARTAN ROSENBAUER ENGINE 4	APP	882,300									
4025	2009 SPARTAN ROSENBAUER ENGINE 2	APP			916,900							
4026	2009 SPARTAN ROSENBAUER ENGINE 7	APP			916,900							
4027	2009 SPARTAN ROSENBAUER TANKER 8	APP			916,900							
4031	2012 SPARTAN ROSENBAUER ENGINE 5	APP						968,800				
4032	2012 SPARTAN ROSENBAUER ENGINE 1	APP						968,800				
4048	2019 ROSENBAUER COMMANDER ENG 6	APP										
Class 4300 - FIRE AERIAL (Life Cycle 15+ Years)												
4033	2013 SUTPHEN SP70 AERIAL PLATFORM	APP						1,744,200				
4034	2013 SUTPHEN SP70 AERIAL PLATFORM	APP						1,744,200				
4035	2013 SUTPHEN SP95 AERIAL PLATFORM	APP								2,180,800		
4036	2013 SUTPHEN SP95 AERIAL PLATFORM	APP								2,180,800		
Class 4400 - FIRE POLICE BUS (Life Cycle 20+ Years)												
4037	2007 SPARTAN COMMAND POST BUS	APP						1,508,695				

FLEET REPLACEMENT SCHEDULE - FIRE FLEET

(source: FleetFocus as of September 15, 2021)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
	Total Number of Active Units:	28										
		Subtotal:	2,720,951	126,772	2,807,299	54,000	0	1,998,080	5,149,855	4,420,593	187,620	172,319
		Unrecoverable HST:	47,894	2,231	49,414	951	0	35,170	90,648	77,811	3,302	3,033
		Total Estimated Cost:	2,768,845	129,003	2,856,713	54,951	0	2,033,250	5,240,503	4,498,404	190,922	175,352
		Budget Submission:	2,769,000	130,000	2,857,000	55,000	0	2,034,000	5,241,000	4,499,000	191,000	176,000

Notes:

1. Replacement costs include estimated purchase price and capitalization of \$80,000 per unit in classes 4000 to 4400 and \$15,000 per units in all other classes.
2. Replacement costs are adjusted for inflation. The inflation factor is currently set to 2.00%.
3. Fire and Rescue Services has a separate fleet replacement schedule. The replacement of Fire's small fleet is based on Public Works methodology.
4. Units are placed on the schedule based on an operational assessment. Units are evaluated annually based on a variety of factors to determine if replacements are required in the current year or can be extended.



Project Version Summary

Project #	OPS-001-15	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Fleet
Title	Parks Equipment Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Parks & Recreation		
Wards	City Wide		
Version Name	2017 (Active)		

Project Description				Version Description												
This project is for the replacement of Parks Off-Road equipment. The Parks off-road equipment is essential to the department and downtime due to equipment repairs results in lost productivity and man-hours, which results in the department's inability to meet expected service levels. Parks makes every effort to repair and in some cases rebuild equipment during the off-season.				Annual budget requests are based on the Fleet and Parks Division's projections of required replacements. An increase of \$65,000 in the annual dedicated reserve contribution for each of the five consecutive years 2020 through 2024 was approved in 2020 operating budget issue #2020-0084 to ensure a sustainable replacement reserve balance per the 10 year replacement plan. Administration reviews the 10-year replacement plans annually. In conjunction with budget development, it was determined that the increases for 2021 and 2022 were not required.												
Project Comments/Reference				Version Comments												
See Document Attached Closed: 7151005/ 7161001/ 7171017/ 7181015/7191000/7221002 Open: 7201007/ 7211001				COMMITMENT: CR453/2021 C 140/2021: 2022 F197 \$370,702												
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
				Expenses												
				5110	Machinery & Equipment - TCA											
					936,000	652,000	1,159,000	346,000	705,000	553,000	464,000	766,000	1,133,000	753,000	7,467,000	
				Total	936,000	652,000	1,159,000	346,000	705,000	553,000	464,000	766,000	1,133,000	753,000	7,467,000	
				Revenues												
				197	Off-Road Fleet Replacement											
					565,298	652,000	1,159,000	346,000	705,000	553,000	464,000	766,000	1,133,000	753,000	7,096,298	
				197CF	Committed Funding											
					370,702	0	0	0	0	0	0	0	0	0	370,702	
				Total	936,000	652,000	1,159,000	346,000	705,000	553,000	464,000	766,000	1,133,000	753,000	7,467,000	
Historical Approved Budget																
				Year	Total Expense	Net City Cost	Subsidies									
				2015	345,060	345,060	0									
				2016	702,000	702,000	0									
				2017	459,000	459,000	0									
				2018	617,000	617,000	0									
				2019	451,000	451,000	0									
				2020	1,287,000	1,287,000	0									
				2021	831,000	831,000	0									

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2015	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Angela Marazita	Ongoing`		
					0	0
					0	0

FLEET REPLACEMENT SCHEDULE - PARKS OFF ROAD FLEET

(source: FleetFocus as of August 10, 2021)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
Class 5000 - ZAMBONI - (LIFE CYCLE 8-10 YEARS)												
5004	2008 ZAMBONI ICE RESURFACING MACHINE	ORREC	107,100									
5007	2009 ZAMBONI ICE RESURFACING MACHINE	ORREC		109,200								
5012	2005 ZAMBONI RESURFACING ICE MACHINE	ORREC	107,100									
5013	2014 ZAMBONI RESURFACING ICE MACHINE	ORREC			111,300							
5014	2015 ZAMBONI RESURFACING ICE MACHINE	ORREC				113,400						
5015	2016 ZAMBONI RESURFACING ICE MACHINE	ORREC					115,500					
5016	2018 ZAMBONI RESURFACING ICE MACHINE	ORREC							121,800			
5017	2019 ZAMBONI RESURFACING ICE MACHINE	ORREC									123,900	
5018	2021 ZAMBONI RESURFACING ICE MACHINE	ORREC										
Class 5100 - 10' MOWERS - (LIFE CYCLE 8-10 YEARS)												
5100	2021 TORO GROUNDMASTER 4000-D MOWER	ORPARKS										101,400
5101	2021 TORO GROUNDMASTER 4000-D MOWER	ORPARKS										101,400
5102	2014 TORO 4000-D 10' MOWER	ORPARKS	95,528									
5103	2014 TORO 4000-D 10' MOWER	ORPARKS	95,528									
5108	2021 TORO GROUNDMASTER 4000-D MOWER	ORPARKS										101,400
5109	2021 TORO GROUNDMASTER 4000-D MOWER	ORPARKS										101,400
5114	2015 JACOBSEN 10' CUT WIDE AREA MOWER	ORPARKS		97,401								
5115	2015 JACOBSEN R311T4F 10' MOWER	ORPARKS		97,401								
5116	2016 TORO 4400-D GROUNDMASTER MOWER	ORPARKS			99,274							
5117	2016 TORO 4400-D 120 INCH ROTARY MOWER	ORPARKS			99,274							
5118	2016 GROUNDMASTER 10 FT WINGED MOWER	ORPARKS			99,274							
5119	2016 GROUNDMASTER 10 FT WINGED MOWER	ORPARKS			99,274							
5120	2016 GROUNDMASTER 10 FT WINGED MOWER	ORPARKS			99,274							
5121	2018 GROUNDMASTER 10 FT WINGED MOWER	ORPARKS					103,021					
5122	2019 TORO 4000-D 10' MOWER	ORPARKS						104,894				
5124	2019 TORO 4500-D MOWER	ORPARKS						104,894				
Class 5130 - 16' MOWERS - (LIFE CYCLE 8-10 YEARS)												
5130	2014 TORO 5900-D WINGED MOWER	ORPARKS	128,595									
5135	2014 TORO 5900-D 16' WINGED MOWER	ORPARKS	128,595									
5137	2016 JACOBSEN 9016 16' WIDE AREA MOWER	ORPARKS			133,638							
5146	2015 JACOBSEN 9016 16' MOWER	ORPARKS		131,117								
5147	2015 JACOBSEN HR-705 16' MOWER	SOLD	128,595									
5148	2016 TORO 5900-D GROUNDMASTER MOWER	ORPARKS			133,638							
5149	2016 JACOBSEN SPORTS STRIPPER	ORPARKS	128,595									
5150	2017 JACOBSEN 16' MOWER	ORPARKS					136,160					

FLEET REPLACEMENT SCHEDULE - PARKS OFF ROAD FLEET

(source: FleetFocus as of August 10, 2021)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
5151	2018 TORO 5900-D 4WD 16` MOWER	ORPARKS							143,724			
5152	2018 TORO 5900-D 4WD 16` MOWER	ORPARKS							143,724			
5153	2019 TORO 5900-D 4WD 16` MOWER	ORPARKS								146,246		
5154	2019 TORO 5900-D 4WD 16` MOWER	ORPARKS								146,246		
5155	2020 TORO 5900-D 4WD 16` MOWER	ORPARKS									148,767	
Class 5160 - ZERO TURN MOWERS - (LIFE CYCLE 8-10 YEARS)												
5168	2016 KUBOTA ZD-331-LP 6` MOWER	ORPARKS			19,080							
5170	2019 KUBOTA ZD-1211L-72 ZERO TURN MOWER	ORPARKS						20,160				
5171	2019 KUBOTA ZD-1211L-72 ZERO TURN MOWER	ORPARKS						20,160				
5172	2019 KUBOTA ZD-1211L-72 ZERO TURN MOWER	ORPARKS						20,160				
5173	2020 KUBOTA ZERO TURN REAR MOWER	ORPARKS							20,520			
5174	2020 KUBOTA ZERO TURN REAR MOWER	ORPARKS							20,520			
5175	2020 KUBOTA ZERO TURN REAR MOWER	ORPARKS							20,520			
5176	2020 KUBOTA ZERO TURN REAR MOWER	ORPARKS							20,520			
Class 5180 - SLOPE MOWERS - (LIFE CYCLE 12-15 YEARS)												
5180	2008 DVORAK ROTARY SLOPE MOWER	ORPARKS										
5181	2015 STEINER STEEP SLOPE CUTTING MOWER	ORPARKS						58,695				
5182	2015 STEINER STEEP SLOPE CUTTING MOWER	ORPARKS						58,695				
Class 5190 - TOW BEHIND MOWERS - (LIFE CYCLE 8-10 YEARS)												
5193	2017 BUSH HOG FLEX WING ROTARY CUTTER	ORPARKS						29,633				
5194	2020 BUSH HOG 13810VC TOW BEHIND MOWER	ORPARKS									31,220	
Class 5200 - ALL TERRAIN VEHICLES - (LIFE CYCLE 8-10 YEARS)												
5201	2010 CLUB CAR CARRYALL 272 GOLF CART	SOLD									16,211	
5202	2010 CLUB CAR CARRYALL 272 GOLF CART	SOLD									16,211	
5211	2020 KUBOTA RTV500-H CART	ORPARKS									13,545	
5212	2020 KUBOTA RTV500-H CART	ORPARKS									13,391	
5213	2001 BOBCAT PIONEER GOLF CART	SOLD									16,211	
5214	2001 BOBCAT PIONEER GOLF CART	ORPARKS									16,211	
5228	2020 KUBOTA RTV500-H UTILITY VEHICLE	ORPARKS									13,375	
5229	2021 KUBOTA RTV500-H UTILITY VEHICLE	ORPARKS										12,715
5232	2013 BOBCAT MODEL 3200 ATV	ORPARKS										16,486
5234	2013 BOBCAT MODEL 3200 ATV	ORPARKS										16,486
5236	2016 KUBOTA RTV1100 UTILITY VEHICLE	ORPARKS			34,980							
5237	2016 KUBOTA RTV1100 UTILITY VEHICLE	ORPARKS			34,980							
5238	2016 KUBOTA RTV500 UTILITY VEHICLE	ORPARKS			14,562							

FLEET REPLACEMENT SCHEDULE - PARKS OFF ROAD FLEET

(source: FleetFocus as of August 10, 2021)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
5239	2016 KUBOTA RTV500 UTILITY VEHICLE	ORPARKS			14,562							
5240	2016 KUBOTA RTV500 UTILITY VEHICLE	ORPARKS			14,562							
5241	2016 KUBOTA RTV500 UTILITY VEHICLE	ORPARKS			14,562							
5242	2016 KUBOTA RTV500 UTILITY VEHICLE	ORPARKS			14,562							
5243	2016 YAMAHA CONCIERGE 6 ART CART	ORREC			16,960							
5244	2017 KUBOTA RTV500 CART	ORREC				14,837						
5245	2018 KUBOTA RTV500 CART	ORPARKS					15,112					
5246	2018 KUBOTA RTV500 CART	ORPARKS					15,112					
5247	2018 KUBOTA RTV500 CART	ORHORT					15,112					
5248	2018 KUBOTA RTV500 CART	ORPARKS					15,112					
5249	2018 KUBOTA RTV500 CART	ORHORT					15,112					
5250	2018 KUBOTA RTV500 CART	ORPARKS					15,112					
5251	2018 KUBOTA RTV500 CART	ORPARKS					15,112					
5252	2018 KUBOTA RTV X900W TRACTOR	ORFOREST					17,600					
Class 5270 - TOOLCATS - (LIFE CYCLE 8-10 YEARS)												
5271	2013 BOBCAT MODEL 5600-F TOOLCAT	SOLD										96,000
5272	2013 BOBCAT MODEL 5600-F TOOLCAT	SOLD										96,000
5273	2016 BOBCAT MODEL 5600-F TOOLCAT	ORPARKS			84,800							
5274	2013 BOBCAT MODEL 5600-F W/SPREADER	SOLD										96,000
Class 5300 - TRACTORS - (LIFE CYCLE 15-20 YEARS)												
5301	2010 KUBOTA L3240D TRACTOR	ORPARKS				49,455						
5302	2021 KIOTI ENCLOSED CAB TRACTOR	ORPARKS										
5309	2011 KUBOTA L3940 TRACTOR	ORPARKS					50,371					
5311	2011 KUBOTA L3940 TRACTOR	ORPARKS					50,371					
5312	2011 KUBOTA L3940 TRACTOR	ORPARKS					50,371					
5313	2011 KUBOTA L3940 TRACTOR	ORPARKS					50,371					
5317	1990 FORD 250-C TRACTOR	SOLD										
5319	2014 JOHN DEERE TRACTOR MOWER BOOM	ORPARKS								337,599		
5320	2018 KIOTI PX1153 PCB TRACTOR	ORPARKS										
5321	2019 KUBOTA L4060 TRACTOR LOADER	ORFOREST										
5322	2020 KIOTI TRACTORS PX1153 POWER SHUTTLE	ORPARKS										
5323	2020 KIOTI TRACTOR DK4710SE HST CAB	ORPARKS										
5324	2020 KIOTI TRACTOR DK4710SE HST CAB	ORPARKS										
5325	2020 KIOTI TRACTOR DK4710SE HST CAB	ORPARKS										
Class 5400 - SKID STEER / LOADERS - (LIFE CYCLE 12-15 YEARS)												
5403	2014 BOBCAT SKID STEER LOADER	ORPARKS					123,130					

FLEET REPLACEMENT SCHEDULE - PARKS OFF ROAD FLEET

(source: FleetFocus as of August 10, 2021)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>				
5404	2011 MELROE BOBCAT SKID STEER LOADER	ORPARKS														
5405	2015 MELROE BOBCAT ALL-WHEEL LOADER	ORPARKS						125,368								
Class 5500 - FORK LIFTS - (LIFE CYCLE 20-22 YEARS)																
5501	2012 STARKE FORKLIFT	ORPARKS														
5503	2003 NOBLE 8 TON FORKLIFT	ORHORT		105,830												
Class 5600 - RAKES - (LIFE CYCLE 12-15 YEARS)																
5601	2013 TORO MODEL 3040 SAND PRO RAKE	ORPARKS				25,277										
5607	2014 TORO MODEL 3040 SAND PRO RAKE	ORPARKS					25,746									
5623	2001 BANNERMAN QUICK SLITT PLANTER	ORPARKS		32,808												
5644	2011 SMITHCO SAND BUNKER RAKE	ORPARKS		24,341												
5678	2011 TURFCO TURF CARE ATTACHMENT	SOLD		17,462												
5679	2011 SCARIFIER TURF MAINT ATTACHMENT	ORPARKS		24,871												
5682	2020 FOLEY BLADE SHARPENING MACHINE	ORPARKS														
Class 5700 - ATTACHMENTS - (LIFE CYCLE 20-22 YEARS)																
5701	2008 HORST SNOW PLOW BLADE	ORPARKS						26,782								
5702	2018 JOHN DEERE UTILITY TRACTOR	ORPARKS														
5703	2019 RC TRAILERS COVERED TRAILER	ORPARKS														
5704	2021 TORO PRO FORCE DEBRIS BLOWER	ORPARKS														
5705	2021 TORO VERSA VAC TURF SWEEPER	ORPARKS														
5706	2021 TORO WIRELESS TOP DRESSER	ORPARKS														
Class 5800 - TRACKLESS UTILITY - (LIFE CYCLE 10 YEARS)																
5803	2020 TRACKLESS MT7 TRACTOR WITH BROOM	ORPARKS									352,083					
5804	2020 TRACKLESS MT7 TRACTOR WITH BROOM	ORPARKS									351,723					
Class 5850 - BOATS - (LIFE CYCLE 10 YEARS)																
5850	2018 PRINCECRAFT PONTOON BOAT	ORREC						59,537								
5851	2018 MIDWEST INDUSTRIAL BOAT TRAILER	ORREC														
Total Number of Active Units:			118			Subtotal:	919,638	640,431	1,138,560	339,130	692,263	542,658	455,848	751,891	1,112,848	739,287
						Unrecoverable HST:	16,187	11,273	20,041	5,969	12,185	9,552	8,024	13,235	19,588	13,013
Total Estimated Cost:				935,826	651,704	1,158,601	345,099	704,448	552,210	463,871	765,126	1,132,436	1,133,000	1,132,436	1,132,436	752,300
Budget Submission:				936,000	652,000	1,159,000	346,000	705,000	553,000	464,000	766,000	1,133,000	1,133,000	1,133,000	1,133,000	753,000

Notes:

1. Replacement costs include estimated purchase price and capitalization.
2. Replacement costs are adjusted for inflation. The inflation factor is currently set to 2.00%.
3. Units are placed on the schedule based on an operational assessment. Units are evaluated annually based on a variety of factors to determine if replacements are required in the current year or can be extended.



Project Version Summary

Project #	OPS-001-17	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Fleet
Title	Fuel Site Equipment Replacement		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																																
<p>The City of Windsor owns and operates 9 fuel sites at various locations across the City for corporate use. The City also owns and operates 1 retail fuel site at Lakeview Park Marina located at 9200 Riverside Drive East.</p> <p>In 2017, electric vehicles were introduced in the corporate fleet requiring the installation of charging stations. As the fleet transitions to more electric vehicles, additional charging stations will be installed and added to the infrastructure inventory.</p> <p>This project is for the replacement of fuel site equipment to ensure fuel is available to the corporate and Police Services fleets and to comply with legislated requirements of the Liquid Fuels Handling code which is monitored by the Technical Standards and Safety Authority (TSSA).</p>				<p>A detailed replacement schedule including all sites and equipment with required funding by year is attached for information.</p> <p>The City will be receiving 20 charging stations in 2021 – 2023 as approved by Natural Resources Canada’s Zero Emission Vehicle Infrastructure Program (ZEVIP). The fuel site inventory plan will be updated as additional charging stations are installed.</p>																																																																																																																																																																																																																																
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Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2017	January 1, 2020	Growth: 0.0 % Maintenance: 100.0 %	Angela Marazita	Ongoing`

Fuel Site Replacement Schedule 2022 through 2031

Updated as of July 30, 2021

Fuel Site	Component	Installation Year	Expected Life*	Replacement Year**	Replacement Cost***	Required Capital Budget by Year****										
						2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
Crawford Yard	2 x 22700L UST Fuel Tank	1990	30-40 years	2022	\$ 200,000.00	\$ 236,000.00										
	2 x Dispenser w/ Fuel Pumps	2009	10-15 years	2024	\$ 35,000.00			\$ 43,400.00								
	2200L AST Fuel Tank + Fill-Rite Pump	2016	15-25 years	2036	\$ 5,000.00											
	FuelFocus Controller (8-Hose)	2019	10 years	2029	\$ 20,000.00									\$ 27,800.00		
	VeederRoot	2009	20-25 years	2028	\$ 45,000.00							\$ 50,000.00				
	Underground Piping	2009	20-25 years	2022	\$ 50,000.00	\$ 17,700.00	\$ 36,300.00									
Parks McDougall	Canopy	2009	20-25 years	2031	\$ 110,000.00											\$ 159,500.00
	4600L AST Fuel Tank	2014	15-25 years	2034	\$ 10,000.00											
	7500L AST Fuel Tank w/ Steps	2014	15-25 years	2034	\$ 15,000.00											
	2 x Dispenser w/ Fuel Pumps	1991	10-15 years	2022	\$ 30,000.00	\$ 35,400.00										
	2200L AST Fuel Tank + Fill-Rite Pump	2020	15-25 years	2040	\$ 5,000.00											
	FuelFocus Controller (4-Hose)	2020	10 years	2030	\$ 18,000.00										\$ 25,000.00	
Little River	4600L AST Fuel Tank + Fill-Rite Pump	2010	15-25 years	2031	\$ 7,000.00											\$ 10,150.00
	4500L AST Fuel Tank + Fill-Rite Pump	2020	15-25 years	2040	\$ 7,000.00											
	2200L AST Fuel Tank + Fill-Rite Pump	2020	15-25 years	2040	\$ 5,000.00											
	FuelFocus Controller (4-Hose)	2020	10 years	2030	\$ 18,000.00									\$ 25,000.00		
Malden Park	2 x 2300L AST Fuel Tank + Fill-Rite Pumps	2012	15-25 years	2032	\$ 10,000.00											
	FuelFocus Controller (2-Hose)	2014	10 years	2024	\$ 15,000.00			\$ 18,600.00								
Solid Waste	4600L AST Fuel Tank + Fill-Rite Pump	2011	15-25 years	2031	\$ 7,000.00											\$ 10,150.00
	8850L AST Fuel Tank + 2 x High Flow Fill-Rite Pumps	2021	15-25 years	2041	\$ 20,000.00											
	FuelFocus Controller (2-Hose)	2021	10 years	2031	\$ 18,000.00											\$ 26,100.00
Fire Station #1	4500L Dual Comp. AST Fuel Tank + Fill-Rite Pumps	2018	15-25 years	2038	\$ 10,000.00											
	FuelFocus Controller (2-Hose)	2019	10 years	2029	\$ 15,000.00								\$ 22,200.00			
Fire Station #2	4500L AST Fuel Tank + Fill-Rite Pump	2005	15-25 years	2025	\$ 7,000.00				\$ 8,890.00							
Fire Station #3	4500L AST Fuel Tank + Fill-Rite Pump	2005	15-25 years	2025	\$ 7,000.00				\$ 8,890.00							
Fire Apparatus	2 x 2300L AST Fuel Tank + Fill-Rite Pumps	2017	15-25 years	2037	\$ 10,000.00											
	FuelFocus Controller (2-Hose)	2017	10 years	2027	\$ 15,000.00						\$ 19,950.00					
Lakeview Marina	35000L Dual Compartment UST Fuel Tank w/ Pumps	2017	30-40 years	2047	\$ 200,000.00											
	2 x Dispenser	2017	10-15 years	2032	\$ 35,000.00											
	VeederRoot	2017	20-25 years	2037	\$ 45,000.00											
	Underground Piping	2017	20-25 years	2037	\$ 50,000.00											
Electric Charging Stations	Level 2 Charging Station - Crawford Yard (Unit #0485)	2017	10 years	2031	\$ 2,000.00											\$ 2,720.00
	Level 2 Charging Station - Crawford Yard (Unit #0490)	2019	10 years	2031	\$ 2,000.00											\$ 2,720.00
	Level 2 Charging Station - 1266 McDougall (Unit #0486)	2019	10 years	2031	\$ 2,000.00											\$ 2,720.00
	Level 2 Charging Station - 1266 McDougall (Unit #0487)	2019	10 years	2031	\$ 2,000.00											\$ 2,720.00
	Level 2 Charging Station - Lou Romano Plant (Unit #0488)	2019	10 years	2031	\$ 2,000.00											\$ 2,720.00
	Level 2 Charging Station - 400 City Hall (Unit #0489)	2019	10 years	2031	\$ 2,000.00											\$ 2,720.00
Level 2 Charging Station - Fire Station #1 (Unit #3039)	2019	10 years	2031	\$ 2,000.00											\$ 2,720.00	
Totals:						\$ 289,100.00	\$ 36,300.00	\$ 62,000.00	\$ 17,780.00	\$ -	\$ 19,950.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 224,940.00	

*Expected life ranges provided by MWH Petroleum, Waddick Fuels, AssetWorks, and Sun Country Highway (electric charging stations).

**Replacement year to be selected within expected life range. Historically, above ground storage tanks have lasted 20 years on average and dispensers over 15 years. Replacements of all other components have been assigned to the first year of the expected life range.

***Replacement costs based on estimates provided by suppliers and inflated historical costs and do not include clean up costs of any contaminated soil or ground water. See the Replacement Cost Estimates sheets for details by component. Replacement cost for Lakeview Marina fuel site estimated based on replacement costs for individual components of Crawford Yard fuel site.

****Replacement costs from 2016 for fuel sites and 2019 for electric charging stations inflated annually by 3% (not compounded).



Project Version Summary

Project #	OPS-001-20	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Fleet
Title	Corporate Fleet Software System		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>This project is to address fleet software systems related improvements and upgrades to ensure efficient operations in all fleet areas.</p> <p>FleetFocus is the corporate fleet management software solution utilized to track and manage all functions related to the maintenance of vehicles and equipment including processing of repair and preventative maintenance work orders and capturing operating expenses (i.e. fuel, parts, licensing, insurance, depreciation). It is also utilized to manage fleet replacement planning as well as parts and tool inventories.</p> <p>FuelFocus is the corporate fuel management system utilized by Public Works Operations at corporate fuel sites to control access, manage the supply, usage and costing of fuel to vehicles and equipment. The City of Windsor owns and operates 9 corporate fuel sites and is working towards automating all sites to eliminate manual records as per the Fuel Site Review completed in 2014.</p> <p>FOCUS is the corporate GPS/AVL system utilized to track location, travel patterns and usage of those units that have been equipped with the technology.</p>	<p>FleetFocus: Migration to a web based system will allow users to leverage new features and gain efficiencies, improve system availability and decrease maintenance requirements. It will also provide many role-based portals, and provide enhanced reporting functionality. Moving to a web based software application will allow users to access the software from any network connected personal computer and decrease the maintenance requirements for the Information Technology Department. It will also allow users to leverage new features as new development and enhancements are directed towards the web version of the software. The estimated cost of the migration includes the purchase of software licences, implementation services and training as well as the impact of the US exchange rate.</p> <p>FuelFocus: The last fuel site to upgrade to Windows 7 is located at the Environmental Services. The cost to complete the upgrade to Windows 7 is approximately \$12,000 per site. There are 2 sites that have not yet been automated and rely on manual records. These sites are located at 3121 Milloy and 2750 Ouellette. This project will address the implementation of the City's fuel management system (FuelFocus) at these fuel sites.</p> <p>FOCUS: Additional functionality will enhance tracking and reporting capabilities.</p>
Project Comments/Reference	Version Comments
<p>7209002 This project is a consolidation and replaces: OPS-002-16 Fuel Site Automation Initiatives and OPS-005-16 FleetFocus Web Migration.</p>	<p>There is an annual software maintenance fee for the FleetFocus system that is shared among the fleet areas. The Fire department is no longer utilizing FleetFocus as a work order management system as of 2021. An upgrade of the existing FleetFocus graphic user interface (GUI) version was completed in 2019 and the database was moved to a new server in 2021 to prepare for the migration to a web based environment. Automation of the fuel sites at the Apparatus Division of Fire was completed in 2017 and Fire Headquarters was completed in 2019. The Environmental fuel site was upgraded in 2021 to include both clear and coloured diesel.</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	85,000	85,000	0	5126	Computer Software										
2023	50,000	50,000	0		85,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	535,000
2024	50,000	50,000	0		Total	85,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	535,000
2025	50,000	50,000	0	Revenues											
2026	50,000	50,000	0	169	Pay As You Go - Capital Reserve										
2027	50,000	50,000	0		85,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	535,000
2028	50,000	50,000	0		Total	85,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	535,000
2029	50,000	50,000	0												
2030	50,000	50,000	0												
2031	50,000	50,000	0												
	535,000	535,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2020	20,000	20,000	0												
2021	50,000	50,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	No Operating Budget Impact						0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2020	January 1, 2020	Growth: 100.0 % Maintenance: 0.0 %	Angela Marazita	Ongoing`											



Project Version Summary

Project #	OPS-002-17	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Fleet
Title	Fuel Site Program		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description

The City of Windsor owns and operates 9 fuel sites at the following locations:
 Crawford Yard - 1531 Crawford Avenue
 McDougall Parks Yard – 2461 McDougall
 Malden Park – 4255 Matchette Road
 Little River Parks Yard – 9578 Little River Road
 Environmental Services Yard – 3540 North Service Road
 Fire Station #1 – 815 Goyeau Street
 Fire Station #2 – 3121 Milloy
 Fire Station #3 – 2750 Ouellette Avenue
 Fire Apparatus – 2885 Kew Drive

The City also owns and operates 1 retail fuel site at Lakeview Park Marina located at 9200 Riverside Drive East.

On behalf of the government of Ontario, the Technical Standards and Safety Authority (TSSA) regulates fuel sites to ensure conformance to the Technical Standards and Safety Act, 2000, and applicable regulations, codes and standards. The Liquid Fuels Handling Code is a provincial code developed by the TSSA and regulates the storage and handling of fuels at bulk plants, marinas, retail outlets and private outlets.

This project is to ensure the safe operation of all corporate fuel sites and to maintain compliance with provincial regulations.

Version Description

The Liquid Fuels Handling Code 2017 was adopted by the TSSA on June 14, 2017 and is effective October 1, 2017. As a result, rehabilitation is required at various sites to ensure compliance with the new regulation.

Project Comments/Reference

7181030

Version Comments

COMMITMENT:
 CR358/2018 C 106/2018: 2022 F221 \$132,000

Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Net City Cost	Subsidies												
2022	153,240	153,240	0	Expenses											
2023	6,050	6,050	0	5110	Machinery & Equipment - TCA										
2024	50,000	50,000	0		153,240	6,050	50,000	50,000	50,000	50,000	25,000	25,000	25,000	25,000	459,290
2025	50,000	50,000	0	Total	153,240	6,050	50,000	50,000	50,000	50,000	25,000	25,000	25,000	25,000	459,290
2026	50,000	50,000	0	Revenues											
2027	50,000	50,000	0	221	Service Sustainability Investm										
2028	25,000	25,000	0		21,240	6,050	50,000	50,000	50,000	50,000	25,000	25,000	25,000	25,000	327,290
2029	25,000	25,000	0	221CF	Committed Funding										
2030	25,000	25,000	0		132,000	0	0	0	0	0	0	0	0	0	132,000
2031	25,000	25,000	0	Total	153,240	6,050	50,000	50,000	50,000	50,000	25,000	25,000	25,000	25,000	459,290
		459,290	459,290	0											
Historical Approved Budget															
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				Unknown	Any budget deferrel in approved funding will result in an increase in operating costs to maintain sites and comply with legislated requirements.								0	0	
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2017	January 1, 2017	Growth: 0.0 % Maintenance: 100.0 %		Angela Marazita					Ongoing`						



Project Version Summary

Project #	OPS-005-08	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Fleet
Title	Corporate Fleet Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>This project is for the replacement of dedicated vehicles and equipment in the corporate fleet.</p>	<p>Version Description</p> <p>Annual budget requests are based on the Fleet Division's projections of required replacements.</p> <p>An increase of \$40,000 in the annual dedicated reserve contribution for each of the five consecutive years 2020 through 2024 was approved in 2020 operating budget issue #2020-0084 to ensure a sustainable replacement reserve balance per the 10 year replacement plan. Administration reviews the 10-year replacement plans annually. In conjunction with 2021 budget development, it was determined that the increase for 2021 was not required.</p> <p>The COVID-19 pandemic and supply chain issues as a result of the global chip shortage have affected the availability of vehicles and equipment and have delayed delivery dates. Furthermore, incentives are being reduced or eliminated resulting in increased purchase costs. When reviewing the 10 year replacement plan during the 2022 budget development, Administration considered these factors as well as the deferral of replacements if condition assessments warranted doing so, It was determined that an increased contribution of \$75,000 annually for each of the five consecutive years 2022 through 2026 is required to ensure its sustainability.</p>
<p>Project Comments/Reference</p> <p>See Document Attached (Closed: 7085004/7091012/7101015/7111028/7121009/7131112/7141002/7151004/7161033/7171021/7181016) Active: 7191001/7201008/7211033/7221004</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	1,920,000	1,920,000	0	5110	Machinery & Equipment - TCA											
2023	2,358,000	2,358,000	0		1,920,000	2,358,000	2,412,000	1,536,000	2,347,000	2,602,000	1,033,000	2,104,000	2,378,000	3,760,000	22,450,000	
2024	2,412,000	2,412,000	0		Total	1,920,000	2,358,000	2,412,000	1,536,000	2,347,000	2,602,000	1,033,000	2,104,000	2,378,000	3,760,000	22,450,000
2025	1,536,000	1,536,000	0			0										
2026	2,347,000	2,347,000	0		Revenues											
2027	2,602,000	2,602,000	0	136	Equipment Replacement											
2028	1,033,000	1,033,000	0		1,920,000	2,358,000	2,412,000	1,536,000	2,347,000	2,602,000	1,033,000	2,104,000	2,378,000	3,760,000	22,450,000	
2029	2,104,000	2,104,000	0		Total	1,920,000	2,358,000	2,412,000	1,536,000	2,347,000	2,602,000	1,033,000	2,104,000	2,378,000	3,760,000	22,450,000
2030	2,378,000	2,378,000	0			0										
2031	3,760,000	3,760,000	0													
	22,450,000	22,450,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2008	2,000,000	2,000,000	0													
2009	2,500,000	2,500,000	0													
2010	1,625,171	1,625,171	0													
2011	872,732	872,732	0													
2012	1,750,000	1,750,000	0													
2013	1,240,000	1,240,000	0													
2014	780,000	780,000	0													
2015	1,131,000	1,131,000	0													
2016	1,560,500	1,560,500	0													
2017	1,021,000	1,021,000	0													
2018	1,574,000	1,574,000	0													
2019	2,606,000	2,606,000	0													
2020	2,288,000	2,288,000	0													
2021	1,057,000	1,057,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	Deferral of replacements contributes to increased repair and operating costs as user departments require units to be operational to meet expected service levels.							0	0			
				Unknown	Equipment replacements are funded from annual contributions to the Fire Equipment Reserve Fund #163. Adjustments to the budgeted annual reserve contribution will be required should positive reserve balances become unsustainable over a 10-year period. Operating budget issue 2022-0018 is being submitted to request an increased depreciation contribution to the reserve due to the increase in purchase costs of vehicles and equipment.							0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead						Est. Completion Date						
2008	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Angela Marazita						Ongoing						

FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET

(source: FleetFocus as of September 09, 2021)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
Class 110 - VANS (Life Cycle 7 - 9 Years)												
0259	2010 CHEVROLET EXPRESS CARGO VAN	PW LAB										49,560
0260	2011 CHEVROLET EXPRESS CARGO VAN	FAC MGT										49,560
0261	2012 GMC SAVANA CARGO VAN	PW SURVEY										49,560
0270	2012 CHEVROLET EXPRESS CARGO VAN	FAC MGT										49,560
0271	2017 CHEVROLET E2500 EXPRESS CARGO VAN	PW LAB				45,360						
0272	2017 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT				45,360						
0273	2017 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT				45,360						
0274	2017 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT				45,360						
0276	2017 CHEVROLET E2500 EXPRESS CARGO VAN	PW SEWER				45,360						
0277	2018 CHEVROLET E2500 EXPRESS CARGO VAN	PW SURVEY				45,360						
0278	2018 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT				45,360						
0279	2018 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT				45,360						
0280	2018 CHEVROLET E2500 EXPRESS CARGO VAN	PW SURVEY				45,360						
0281	2018 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT				45,360						
0282	2018 CHEVROLET E2500 EXPRESS CARGO VAN	FAC MGT				45,360						
0283	2018 CHEVROLET E2500 EXPRESS CARGO VAN	PW SURVEY				45,360						
0284	2020 FORD F250 TRANSIT CARGO VAN	FAC MGT							47,040			
0285	2020 FORD F250 TRANSIT CARGO VAN	FAC MGT							47,040			
0298	2020 FORD TRANSIT CARGO VAN	PW Q & A								47,880		
0299	2020 FORD TRANSIT CARGO VAN	PW Q & A							47,040			
3027	2013 FORD ECONO SUPER CARGO VAN	FIRE		43,680								
Class 120 - CUBE VANS (Life Cycle 9 - 11 Years)												
0304	2012 GMC SAVANA UNICELL VAN	PW SEWER		53,860								
0305	2017 GMC EXPRESS 3500 CUBE VAN	LIBRARY							56,000			
Class 145 - MINI VANS (Life Cycle 7 - 9 Years)												
0339	2020 DODGE GRAND CARAVAN	PARK SERV								39,900		
0340	2020 DODGE GRAND CARAVAN	PW SURVEY								39,900		
0341	2020 DODGE GRAND CARAVAN	PW SURVEY								39,900		
0342	2020 DODGE GRAND CARAVAN	TRAF ADMIN								39,900		
0344	2020 DODGE GRAND CARAVAN	INFO TECH								39,900		
0346	2016 DODGE GRAND CARAVAN SE	PW SURVEY		36,400								
0347	2016 DODGE GRAND CARAVAN SE	PW LRPCP		36,400								
0348	2016 DODGE GRAND CARAVAN SE	BUILDING		36,400								

FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET

(source: FleetFocus as of September 09, 2021)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
0349	2016 DODGE GRAND CARAVAN SE	PARK SERV		36,400								
0351	2012 DODGE GRAND CARAVAN	BUILDING								40,600		
0382	2019 DODGE GRAND CARAVAN SXT	PW CONTRAC						39,200				
0383	2014 DODGE GRAND CARAVAN	BUILDING	35,700									42,000
0384	2014 DODGE GRAND CARAVAN	BUILDING	35,700									42,000
0385	2014 DODGE GRAND CARAVAN	BUILDING	35,700									42,000
0386	2014 DODGE GRAND CARAVAN	BUILDING	35,700									42,000
0387	2014 DODGE GRAND CARAVAN	BUILDING	35,700									42,000
0388	2014 DODGE GRAND CARAVAN	BUILDING	35,700									42,000
0389	2014 DODGE GRAND CARAVAN	BUILDING	35,700									42,000
0390	2014 DODGE GRAND CARAVAN	BUILDING	35,700									42,000
0391	2014 DODGE GRAND CARAVAN	BUILDING	35,700									42,000
0392	2014 DODGE GRAND CARAVAN	BUILDING	35,700									42,000
0393	2014 DODGE GRAND CARAVAN	BUILDING	35,700									42,000
0394	2014 DODGE GRAND CARAVAN	COMPOUND									41,300	
0395	2016 DODGE CARAVAN MINIVAN	PARKS			37,100							
0396	2016 DODGE CARAVAN MINIVAN	PW TECHNIC			37,100							
0397	2016 DODGE CARAVAN MINIVAN	PW TECHNIC			37,100							
0398	2016 DODGE CARAVAN MINIVAN	SIGNALS			37,100							
0399	2016 DODGE CARAVAN MINIVAN	PW ENFORCE			37,100							
0401	2017 DODGE CARAVAN MINIVAN	PW CONTRAC				37,800						
0402	2017 DODGE CARAVAN MINIVAN	PW SURVEY				37,800						
0403	2017 DODGE CARAVAN MINIVAN	PW SURVEY				37,800						
0404	2017 DODGE CARAVAN MINIVAN	PW CONTRAC				37,800						
0405	2017 DODGE CARAVAN MINIVAN	PW PUMP ST			37,100							
0406	2019 DODGE CARAVAN MINIVAN	PARK SERV					38,500					
0407	2019 DODGE CARAVAN MINIVAN	FAC MGT					38,500					
0408	2019 DODGE CARAVAN MINIVAN	FORESTRY					38,500					
0409	2019 DODGE GRAND CARAVAN	BUILDING						39,200				
0410	2019 DODGE GRAND CARAVAN	BUILDING						39,200				
0411	2019 DODGE CARAVAN MINIVAN	PW SURVEY					38,500					
0412	2019 DODGE CARAVAN MINIVAN	BUILDING					38,500					
0413	2019 DODGE GRAND CARAVAN	BUILDING						39,200				
0414	2019 DODGE GRAND CARAVAN	PW SURVEY						39,200				

FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET

(source: FleetFocus as of September 09, 2021)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
0415	2019 DODGE GRAND CARAVAN	PW ENFORCE						39,200				
0416	2019 DODGE CARAVAN MINIVAN	PW Q & A					38,500					
0417	2019 DODGE GRAND CARAVAN	PW WWPCP						39,200				
3019	2013 DODGE GRAND CARAVAN MINIVAN	FIRE		36,400								
3020	2013 DODGE GRAND CARAVAN MINIVAN	FIRE		36,400								
3021	2013 DODGE GRAND CARAVAN MINIVAN	FIRE		36,400								
3025	2013 DODGE GRAND CARAVAN MINIVAN	FIRE			37,100							
3028	2014 DODGE GRAND CARAVAN	FIRE		36,400								
3029	2014 DODGE GRAND CARAVAN	FIRE		36,400								
3031	2016 DODGE CARAVAN MINIVAN	FIRE			37,100							
3032	2016 DODGE CARAVAN MINIVAN	FIRE			37,100							
3033	2016 DODGE CARAVAN MINIVAN	FIRE				37,800						
3037	2017 DODGE CARAVAN MINIVAN	FIRE	35,700									42,000
3038	2019 DODGE CARAVAN MINIVAN	FIRE					38,500					
3041	2020 DODGE GRAND CARAVAN	FIRE							39,900			
3042	2020 DODGE GRAND CARAVAN	FIRE							39,900			
3043	2020 DODGE GRAND CARAVAN	FIRE							39,900			
3044	2021 FORD TRANSIT CONNECT VAN	FIRE						34,307				
3045	2021 FORD TRANSIT CONNECT VAN	FIRE						34,448				
Class 155 - CROSSOVERS (Life Cycle 8 - 10 Years)												
0450	2021 CHEVROLET EQUINOX LS	BYLAW									34,800	
0451	2021 CHEVROLET EQUINOX LS	BYLAW									34,800	
0452	2021 CHEVROLET EQUINOX LS	BYLAW									34,800	
0453	2021 CHEVROLET EQUINOX LS	BYLAW									34,800	
0454	2021 CHEVROLET EQUINOX LS	BYLAW									34,800	
0455	2021 CHEVROLET EQUINOX LS	BYLAW									34,800	
0456	2021 CHEVROLET EQUINOX LS	BYLAW									34,800	
0457	2021 CHEVROLET EQUINOX LS	BYLAW									34,800	
0458	2021 CHEVROLET EQUINOX LS	BYLAW									34,800	
0459	2021 CHEVROLET EQUINOX LS	BYLAW									34,800	
0472	2021 CHEVROLET EQUINOX LS	BYLAW									34,800	
0473	2021 CHEVROLET EQUINOX LS	BYLAW									34,800	
Class 163 - ELECTRIC VEHICLES (Life Cycle 8 - 10 Years)												
0485	2017 CHEVROLET BOLT ELECTRIC CAR	BUILDING				48,600						

FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET

(source: FleetFocus as of September 09, 2021)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
0486	2019 CHEVROLET BOLT EV	PARKING					49,500					
0487	2018 FORD FOCUS EV HATCH	PARK SERV								52,200		
0488	2018 FORD FOCUS EV HATCH	PW WWPCP								52,200		
0489	2018 FORD FOCUS EV HATCH	TRAF STUD								52,200		
0490	2019 CHEVROLET BOLT EV	PW CONTRAC								52,200		
3039	2018 FORD FOCUS EV HATCH	FIRE								52,200		
Class 165 - GAS / ELECTRIC HYBRIDS (Life Cycle 7 - 9 Years)												
0506	2016 FORD C-MAX HYBRID SE	MAILROOM			42,400							
0507	2017 FORD C-MAX ENERGI PLUG-IN HYBRID	INFO TECH			42,400							
Class 200 - SMALL PICKUPS (Life Cycle 7 - 9 Years)												
0603	2009 CHEVROLET COLORADO LT PICKUP	FAC MGT									37,760	
0606	2011 FORD RANGER PICKUP EXTENDED CAB 6'	PW SURVEY									37,760	
0609	2011 FORD RANGER PICKUP EXTENDED CAB 6'	PW SURVEY									37,760	
Class 210 - LARGE PICKUPS (Life Cycle 7 - 9 Years)												
0610	2021 CHEVROLET SILVERADO 2500 CREWCAB	PARKS									59,000	
0611	2021 CHEVROLET SILVERADO 2500 CREWCAB	PARKS									59,000	
0612	2018 CHEVROLET SILVERADO 1500 PICKUP	FORESTRY				37,800						
0613	2013 CHEVROLET SILVERADO1500 EXT CAB	PW ELECTR		41,600								
0614	2013 CHEVROLET SILVERADO 1500 EXT CAB	PW ROW MAI									47,200	
0615	2013 CHEVROLET SILVERADO 1500 PICKUP	PW SURVEY									41,300	
0638	2019 CHEVROLET SILVERADO 1500 PICKUP	PARKS								40,600		
0639	2019 CHEVROLET SILVERADO 1500 PICKUP	PW SEWER								40,600		
0640	2019 CHEVROLET SILVERADO 1500 PICKUP	PW ROW MAI								40,600		
0641	2019 CHEVROLET SILVERADO 1500 PICKUP	PW CONTRAC								40,600		
0642	2019 CHEVROLET SILVERADO 1500 PICKUP	PARKS D&D								40,600		
0643	2019 CHEVROLET SILVERADO 1500 PICKUP	PW SEWER								40,600		
0644	2019 CHEVROLET SILVERADO 1500 PICKUP	PW PUMP ST								40,600		
0647	2019 CHEVROLET SILVERADO 1500 PICKUP	SIGNALS								40,600		
0649	2016 FORD F250 XL REG CAB 4X4 PICKUP	PW ENVTAL		46,800								
0650	2016 FORD F250 XL REG CAB 4X4 PICKUP	PW ENVTAL		46,800								
0651	2017 CHEVROLET SILVERADO WT 2500 PICKUP	PARKS			42,400							
0652	2017 CHEVROLET SILVERADO WT 2500 PICKUP	PARKS			42,400							
0653	2017 CHEVROLET SILVERADO WT 2500 PICKUP	PARKS			42,400							
0678	2020 CHEVROLET SILVERADO 1500 PICKUP	PW SEWER							39,200			

FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET

(source: FleetFocus as of September 09, 2021)

<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
0679	2020 CHEVROLET SILVERADO 1500 PICKUP	PW ROW MAI						39,200				
0680	2019 FORD F250 CREWCAB PICKUP 6` 6" BOX	PARKS					44,000					
0681	2019 FORD F250 CREWCAB PICKUP 6` 6" BOX	PARKS					44,000					
0682	2019 FORD F250 CREWCAB PICKUP 6` 6" BOX	PARKS					44,000					
0683	2020 CHEVROLET SILVERADO 1500 PICKUP	PW ENFORCE						39,200				
0684	2020 CHEVROLET SILVERADO 1500 PICKUP	PW ENFORCE						39,200				
0685	2020 CHEVROLET SILVERADO 1500 PICKUP	PW SURVEY						39,200				
0700	2021 CHEVROLET SLVERADO 1500 EXT CAB	HORTICULT									36,580	
0701	2021 CHEVROLET SLVERADO 1500 EXT CAB	PARKS									36,580	
0702	2021 CHEVROLET SLVERADO 1500 EXT CAB	PARKS									36,580	
0714	2015 CHEVROLET SILVERADO 1500 PICKUP	PW ENFORCE		41,600								
0715	2015 CHEVROLET SILVERADO 1500 PICKUP	PW SURVEY		41,600								
0716	2015 CHEVROLET SILVERADO 1500 PICKUP	PW SURVEY			42,400							
0717	2015 CHEVROLET SILVERADO 1500 PICKUP	PARKS	40,800									48,000
0718	2015 CHEVROLET SILVERADO 1500 PICKUP	PARKS	40,800									48,000
Class 220 - PICKUPS (Life Cycle 7 - 9 Years)												
0654	2017 FORD F150 EXT CAB PICKUP	PW PUMP ST			42,400							
0655	2017 FORD F150 EXT CAB PICKUP	PW PUMP ST			42,400							
0656	2017 FORD F150 EXT CAB PICKUP	PW ROW MAI			42,400							
0657	2017 FORD F150 EXT CAB PICKUP	FORESTRY			42,400							
0658	2018 CHEVROLET SILVERADO 1500 EXT CAB PU	PW CONTRAC				43,200						
0659	2018 CHEVROLET SILVERADO 1500 REG CAB PU	PARK SERV				43,200						
0660	2018 FORD F150 PICKUP	FAC MGT				43,200						
0670	2019 FORD F150 PICKUP	PW ENVTAL								40,600		
0671	2019 FORD F150 PICKUP	PW ENVTAL								40,600		
0672	2019 FORD F150 PICKUP	PW ENVTAL								40,600		
0673	2019 FORD F150 PICKUP	HORTICULT								40,600		
0674	2019 FORD F150 PICKUP	FAC MGT								40,600		
0675	2019 FORD F150 PICKUP	PW SURVEY								40,600		
0676	2019 FORD F150 PICKUP	PW SURVEY								40,600		
0677	2019 FORD F150 PICKUP	PW ROW MAI								40,600		
0686	2019 GMC SIERRA STD CAB 1500 PICKUP	PW ENVTAL								52,200		
0719	2016 FORD F150 PICKUP REG CAB 8` BOX	PARKS		41,600								
0720	2016 FORD F150 PICKUP REG CAB 8` BOX	PARKS		41,600								

FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET

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<u>Unit</u>	<u>Description</u>	<u>Department</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
0721	2016 FORD F150 PICKUP REG CAB 8` BOX	PW WWPCP		41,600								
0722	2016 FORD F150 PICKUP REG CAB 8` BOX	SIGNS&MARK		41,600								
0723	2016 FORD F150 PICKUP REG CAB 8` BOX	FAC MGT		41,600								
0724	2016 FORD F150 PICKUP REG CAB 8` BOX	PW ENVTAL		41,600								
0725	2017 GMC SIERRA 1500 REGULAR CAB PICKUP	SIGNS&MARK			42,400							
Class 230 - SERVICE BODY UTILITY (Life Cycle 9 - 11 Years)												
0737	2011 FORD F350 SUPER DUTY SERVICE BODY	SIGNS&MARK									70,800	
0739	2008 FORD F350 REG CAB SERVICE BODY	SIGNS&MARK									78,848	
0745	2021 FORD F350 UTILITY SERVICE BODY	SIGNS&MARK										108,000
0746	2021 FORD F350 UTILITY SERVICE BODY	SIGNS&MARK										108,000
0747	2021 FORD F350 UTILITY SERVICE BODY	SIGNS&MARK										108,000
0748	2021 FORD F350 UTILITY SERVICE BODY	SIGNS&MARK										108,000
0750	2012 GMC SAVANA CUTAWAY STAHL HI-ROOF	PW ELECTR		63,315								
0751	2012 GMC SAVANA CUTAWAY STAHL HI-ROOF	PW ELECTR		63,315								
0752	2013 FORD F350 SUPER DUTY SERVICE TRUCK	PARKS	61,200									
0753	2014 FORD F350 SUPER DUTY DUMP TRUCK	PARKS		70,309								
0754	2014 FORD F350 SUPER DUTY DUMP TRUCK	FAC MGT		62,400								
0764	2007 FORD F350 4X2 XL SUPER DUTY	PW EQUIP										
0770	2011 CHEVROLET SILVERADO 2500 4X4 PICKUP	PW WWPCP	61,200									
0771	2012 CHEVROLET SILVERADO 2500 4X4 PICKUP	PW LRPCP		62,400								
0777	2011 CHEVROLET SILVERADO 2500 4X4 PICKUP	PARK SERV	61,200									
0780	2013 GMC SIERRA 4X4 REG CAB PICKUP	PARKS										
0781	2013 GMC SIERRA 4X4 REG CAB PICKUP	PARKS										
0782	2015 FORD F350 4X4 PICKUP SRW	PARKS			63,600							
0783	2018 CHEVROLET SILVERADO 3500 PICKUP	PARKS						67,200				
3017	2012 CHEVROLET SILVERADO 3500 PICKUP	FIRE		62,400								
3018	2012 CHEVROLET SILVERADO 3500 PICKUP	FIRE		62,400								
Class 246 - CREW CABS UTILITY (Life Cycle 9 - 11 Years)												
0791	2011 CHEVROLET SILVERADO WT 3500 CREWCAB	HORTICULT										84,000
0792	2011 CHEVROLET SILVERADO 3500 CREW CAB	HORTICULT										
0796	2011 CHEVROLET SILVERADO WT 3500 CREWCAB	PARKS										84,000
0797	2011 CHEVROLET SILVERADO WT 3500 CREWCAB	PARKS										84,000
0798	2013 GMC SIERRA 3500 HD CREWCAB	PARKS	71,400									
0799	2016 FORD F350 XL CREWCAB FLATBED	PARKS				75,600						

FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET

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0800	2016 FORD F350 XL CREWCAB FLATBED	PARKS				75,600						
0801	2019 FORD F350 FLAT BED	HORTICULT							79,800			
Class 305 - 10000 GVW TRUCKS (Life Cycle 9 - 11 Years)												
0853	2015 FORD F350 B DUMP TRUCK	PW SEWER	71,400									
0856	2011 CHEVROLET SILVERADO WT 3500 TRUCK	PW ROW MAI										78,000
0859	2013 GMC SIERRA 3500 HD CREWCAB	PW ROW MAI	71,400									
0860	2021 CHEVROLET SILVERADO 3500 TRUCK	PW ROW MAI										69,600
0861	2021 CHEVROLET SILVERADO 3500 TRUCK	PW ROW MAI										69,600
0862	2021 CHEVROLET SILVERADO 3500 TRUCK	PW ROW MAI										69,600
0868	2018 FORD F350 B DUMP TRUCK	PW ROW MAI						72,800				
0869	2018 FORD F350 B DUMP TRUCK	PW ROW MAI						72,800				
0870	2018 FORD F350 B DUMP TRUCK	PW SEWER						72,800				
0874	2008 FORD F350XL SUPER DUTY B TRUCK	PW ROW MAI										78,000
0876	2021 CHEVROLET SILVERADO 3500 TRUCK	PARKS										84,000
0877	2021 CHEVROLET SILVERADO 3500 TRUCK	PARKS										84,000
Class 325 - 14000 TO 20000 GVW TRUCKS (Life Cycle 9 - 11 Years)												
0929	2020 FORD F550 4X4 SERVICE CRANE TRUCK	PW PUMP ST										
0930	2016 FORD F550 XL 4X4 DUMP TRUCK	PW WINTERC				106,000						
0931	2016 FORD F550 XL 4X4 DUMP TRUCK	PW WINTERC				106,000						
0941	2013 FORD F550 FLAT BED B TRUCK	PARKS	102,000									
Class 330 - 22000 TO 28000 GVW TRUCKS (Life Cycle 10 - 12 Years)												
0946	2008 STERLING ACTERRA CHIPPER TRUCK	FORESTRY	142,800									
0947	2016 FREIGHTLINER M2-106 B TRUCK	PW WINTERC					154,000					
0948	2016 FREIGHTLINER FL-80-106 B TRUCK	PW WINTERC					154,000					
0949	2021 FREIGHTLINER CDE ROLL-OFF TRUCK	PW ENVTAL										
Class 360 - 33000 TO 35000 GVW TRUCKS (Life Cycle 10 - 12 Years)												
0971	2010 NAVISTAR 7400 SFA DUMP SALTER PLOW	PW WINTERC		208,000								
Class 365 - 50000-60000 GVW TRUCKS (Life Cycle 10 - 12 Years)												
0991	2005 INTERNATIONAL 7500 HT570 SNOW PLOW	COMPOUND										260,004
0992	2007 STERLING LT8500 SNOW PLOW	PW WINTERC										173,846
0993	2007 STERLING LT8500 SNOW PLOW	PW WINTERC										173,846
0994	2007 STERLING LT8500 A TRUCK TDM DUMP	PARKS										173,846
Class 405 - 14 CU YD PACKERS (Life Cycle 8 - 10 Years)												
1012	2015 FORD F550 14 CU YD PACKER	PAR		208,000								

FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET

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1016	2019 FORD F550 14 CU YD PACKER	PW ENVTAL								232,000		
Class 435 - 20 CU. YD. 50000 GVW PACKERS (Life Cycle 8 - 10 Years)												
1058	2019 FREIGHTLINER M2106 PACKER	PW ENVTAL								301,600		
1059	2007 FREIGHTLINER M2 TANDEM PACKER	PW ENVTAL										312,000
Class 440 - PACKER FRONT END LOADER (Life Cycle 8 - 10 Years)												
1075	2020 MACK TE64 LABRIE WITTKKE 40 CU YD	PW ENVTAL									442,500	
1078	2016 MACK MRU613 FEL WITTKKE BODY	PW ENVTAL					412,500					
Class 450 - 17 CU YARD SIDE LOADING PACKER (Life Cycle 8 - 10 Years)												
1084	2015 FREIGHTLINER M2106 ONE-MAN PACKER	PARKS				278,041						
1099	2007 FREIGHTLINER M2 17 YD PACKER	PW ENVTAL									298,594	
Class 506 - AERIAL TRUCK 22000 GVW (Life Cycle 10 - 12 Years)												
1227	2005 FORD F550XL SUPER DUTY TRUCK	SIGNS&MARK					192,500					
1228	2007 STERLING ACTERRA AERIAL TRUCK	SIGNALS			275,600							
1229	2020 FREIGHTLINER M2 AERIAL TRUCK	SIGNALS										312,000
1230	2020 FREIGHTLINER M2 AERIAL TRUCK	SIGNALS										312,000
Class 511 - AERIAL TRUCKS 33000 GVW (Life Cycle 10 - 12 Years)												
1247	2010 FREIGHTLINER CONVENTIONAL AERIAL	FORESTRY										
1248	2011 FREIGHTLINER CONVENTIONAL	FORESTRY										
Class 520 - 6 CU YD VACUUM STREET SWEEPER (Life Cycle 10 - 12 Years)												
1267	2016 RAVO 5 SERIES STREET SWEEPER	PW ENVTAL						420,000				
1268	2016 RAVO 5 SERIES STREET SWEEPER	PW ENVTAL						420,000				
1269	2017 RAVO 5 SERIES STREET SWEEPER	PW ENVTAL							427,500			
Class 525 - 8 CU YD VACUUM STREET SWEEPER (Life Cycle 10 - 12 Years)												
1300	2021 FREIGHTLINER ELGIN SWEEPER	PW ENVTAL										
Class 529 - TRUCK WATER TANK (Life Cycle 20 Years)												
1311	2008 STERLING ACTERRA WATER TRUCK	HORTICULT									206,500	
Class 531 - SEWER VACTOR (Life Cycle 10 - 12 Years)												
1319	2011 INTERNATIONAL WORK STAR VACTOR	PW SEWER			506,676							
1321	2015 FREIGHTLINER 2100 VACTOR TRUCK	PW SEWER						539,898				
Class 535 - DUMP/CRANE TRUCKS (Life Cycle 10 - 12 Years)												
1327	2015 FREIGHTLINER M-2 CRANE/DUMP	FORESTRY			185,781							
Class 537 - LINE PAINTING TRUCK (Life Cycle 20 Years)												
1331	2002 GMC T8500 LINETECH TM52275AA	SIGNS&MARK					800,000					
Class 603 - SEWER RODDERS - TRUCK MOUNTED (Life Cycle 12 - 15 Years)												

FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET

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1360	1999 FORD F450 XL TRUCK	PW SEWER	255,000									
Class 608 - SEWER BUCKET MACHINES (Life Cycle 20 Years)												
1369	1985 SRECO PULLBACK SEWER BUCKET	PW SEWER		93,600								
1370	1985 SRECO LOADER	PW SEWER		116,480								
Class 640 - BRUSH CHIPPER (Life Cycle 10 - 15 Years)												
1433	2013 VERMEER BC 1800XL WOOD CHIPPER	FORESTRY			127,200							
1437	2011 VERMEER BC1000XL WOOD CHIPPER	FORESTRY	122,400									
1438	2021 VERMEER BC 1800XL BRUSH CHIPPER	FORESTRY										
1439	2013 VERMEER BC1500 WOOD CHIPPER	FORESTRY		124,800								
Class 645 - GAS GOLF CARTS (Life Cycle 8 - 10 Years)												
1460	2017 CUSHMAN HAULER 1200 GOLF CART	PW WWPCP						23,520				
1461	2017 CUSHMAN HAULER 1200 GOLF CART	PW WWPCP						23,520				
Class 650 - MISCELLANEOUS TRAILERS (Life Cycle 12 - 15 Years)												
1473	2021 WEBERLANE ESTATE DELUXE TRAILER	SIGNS&MARK										
1474	2021 WEBERLANE ESTATE DELUXE TRAILER	SIGNS&MARK										
1475	2021 WEBERLANE ESTATE DELUXE TRAILER	SIGNS&MARK										
1476	2021 WEBERLANE ESTATE DELUXE TRAILER	SIGNS&MARK										
1477	2000 NOBLE INDUSTRIES STRAIGHTLINE TRAIL	SIGNS&MARK										
1480	2019 PJ TRAILERS TJ202 CAR HAULER TILT	PARKS								6,887		
1481	2002 FOREST RIVER CARGO TRAILER	SIGNS&MARK										
1487	2001 ROBCOL EXPC/5T TRAILER	SIGNALS			21,066							
1488	2001 ROBCOL EXPC/5T TRAILER	SIGNALS			21,066							
1490	2020 PJ TRAILERS GOOSENECK TRAILER	PARKS								6,887		
Class 660 - 2 - 6 CU. YD. SALT SPREADERS (Life Cycle 9 - 11 Years)												
0649S	2015 WESTERN 7800 7' 1.5 CU YD SALTER	PW ENV TAL			6,699							
0770S	2011 WESTERN 7800 7' 2.5 CU YD SALTER	PW WWPCP	4,614									
0777S	2011 SNO-WAY 1.5 CU YD SALTER	PARK SERV	5,825									
0780S	2013 WESTERN TORNADO SLIDE IN SPREADER	PARKS										
0781S	2013 WESTERN TORNADO SLIDE IN SPREADER	PARKS										
0782S	2015 SALTDogg 2.0 CU YD SALTER	PARKS			9,952							
0783S	2018 WESTERN ELECTRIC 2.0 CU YD SALTER	PARKS							6,886			
0877S	2021 WESTERN ELECTRIC SALTER	PARKS										
0930S	2014 FISHER PRO-CASTER SALTER	PW WINTERC			19,957							
0931S	2008 FISHER PRO-CASTER SALTER 3.3 CU YD	PW WINTERC										7,517

FLEET REPLACEMENT SCHEDULE - CORPORATE FLEET

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0947S	2020 FISHER 4.5 CU YD HYDRAULIC SALTER	PW WINTERC										12,000
0948S	2020 FISHER 4.5 CU YD HYDRAULIC SALTER	PW WINTERC										12,000
Class 664 - 7 - 10 CU YD. SALT SPREADERS (Life Cycle 9 - 11 Years)												
0971S	2006 SCHMIDT STRATOS 4 CU YD SALTER	PW WINTERC	86,700									
0991S	2013 SCHMIDT STRATOS B70-42 SALTER COMBI	PW WINTERC	86,700									
0992S	2004 SCHMIDT STRATOS V BODY SALTER	PW WINTERC									100,300	
0993S	2004 SCHMIDT STRATOS V BODY SALTER	PW WINTERC									100,300	
Class 665 - LARGE SNOW PLOWS (Life Cycle 9 - 11 Years)												
0971P	2011 VIKING CHIVES MONASHEE LARGE PLOW	PW WINTERC	61,200									
1001P	2021 VIKING-CIVES REVERSIBLE PLOW	PW WINTERC										
1002P	2021 VIKING-CIVES REVERSIBLE PLOW	PW WINTERC										
1003P	2021 VIKING-CIVES REVERSIBLE PLOW	PW WINTERC										
1004P	2021 VIKING-CIVES REVERSIBLE PLOW	PW WINTERC										
Class 667 - SMALL SNOW PLOWS (Life Cycle 9 - 11 Years)												
0649P	2015 WESTERN 7'6" SNOW PLOW	PW ENVTAL		7,933								
0770P	2011 PRO PLOW 7.5 STEEL SNOW PLOW	PW WWPCP	6,826									
0771P	2012 FISHER V SNOW PLOW	PW LRPCP		5,110								
0777P	2011 WESTERN SMALL PLOW 7.5 PRO STEEL	PARK SERV	6,657									
0780P	2013 WESTERN SNOW PLOW 7.5' FULL TRIP	PARKS										
0781P	2013 WESTERN SNOW PLOW 7.5 FULL TRIP	PARKS										
0782P	2017 WESTERN 8' PRO PLOW	PARKS			9,190							
0783P	2018 WESTERN 8' PRO PLOW	PARKS						9,901				
0877P	2021 WESTERN 8' PROFLOW	PARKS										
0930P	2007 WESTERN SMALL PLOW 9' ULTRA MOUNT	PW WINTERC										
0931P	2015 WESTERN PRO PLUS 9' PLOW	PW WINTERC			12,106							
0947P	2016 VIKING-CIVES 9' TRIP EDGE SNOW PLOW	PW WINTERC				16,237						
0948P	2016 VIKING-CIVES 9' TRIP EDGE SNOW PLOW	PW WINTERC				16,237						
Class 680 - CRASH ATTENUATORS (Life Cycle 15 - 20 Years)												
1581	2019 VORTEQ CRASH ATTENUATOR	POOL										30,600
Class 700 - FORK LIFTS (Life Cycle 20 Years)												
1603	2013 HYUNDAI 25L-7A FORKLIFT	SIGNS&MARK										
Class 710 - SNOWBLOWER DIESEL (Life Cycle 20 Years)												
1620	1978 VOHL SNOW BLOWER	PW WINTERC		114,400								
Class 735 - LAWN TRACTORS/RIDING MOWERS (Life Cycle 15 Years)												

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1672	2013 FRONT MOWER F3080 MOWER/BLOWER	PW LRPCP							35,587			
1673	2011 JOHN DEERE 1445 LAWN MOWER	PW WWPCP					43,315					
Class 740 - FEL LOADER / BACKHOE (Life Cycle 15 Years)												
1683	2005 CASE 621D 4 WHEEL LOADER	PARKS										
1684	2016 CAT 926M WHEEL LOADER	PW WINTERC									271,400	
	Total Number of Active Units:	309										
		Subtotal:	1,788,522	2,218,002	2,271,194	1,411,034	2,207,315	2,458,715	916,853	1,968,374	2,238,302	3,596,460
		Unrecoverable HST:	31,478	39,037	39,973	24,834	38,849	43,273	16,137	34,643	39,394	63,298
		Total Estimated Cost:	1,820,000	2,257,039	2,311,167	1,435,868	2,246,163	2,501,988	932,990	2,003,017	2,277,696	3,659,757
	Emergency Replacement Contingency:		100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
	Budget Submission:		1,920,000	2,358,000	2,412,000	1,536,000	2,347,000	2,602,000	1,033,000	2,104,000	2,378,000	3,760,000

Notes:

1. Replacement costs include estimated purchase price and capitalization.
2. Replacement costs are adjusted for inflation. The inflation factor is currently set to 2.00%.
3. Fire and Rescue Services has a separate fleet replacement schedule. The replacement of Fire's small fleet is based on Public Works methodology.
4. Units are placed on the schedule based on an operational assessment. Units are evaluated annually based on a variety of factors to determine if replacements are required in the current year or can be extended.



Project Version Summary

Project #	OPS-022-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Fleet
Title	Purchase of Fleet Additions and Upgrades		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	2017 (Active)		

Project Description Funds are required to cover the cost of fleet additions and upgrades required to maintain service delivery levels. While the capital budget is based on a 10-year plan, fleet requests are provided on an annual basis, therefore, submissions will be made each year based on user requirements.	Version Description Please refer to the attached document outlining the detailed fleet addition and upgrade requests.
Project Comments/Reference See Document Attached Active: 7191023/ 7201009/ 7211034/7221005 (Closed: 7065024/ 7096002/ 7111020/ 7121008/ 7131113/ 7141003/ 7161035/ 7151010/ 7171022/ 7181017)	Version Comments

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	1,006,000	1,006,000	0	5110	Machinery & Equipment - TCA										
2023	150,000	150,000	0		1,006,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	2,356,000
2024	150,000	150,000	0		Total	1,006,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	2,356,000
2025	150,000	150,000	0			0									
2026	150,000	150,000	0												
2027	150,000	150,000	0												
2028	150,000	150,000	0												
2029	150,000	150,000	0												
2030	150,000	150,000	0												
2031	150,000	150,000	0												
	2,356,000	2,356,000	0												
Historical Approved Budget				Revenues											
Year	Total Expense	Net City Cost	Subsidies	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
2009	255,000	255,000	0	028	Sewer Surcharge										
2011	154,000	154,000	0		565,000	0	0	0	0	0	0	0	0	0	565,000
2012	60,000	60,000	0	128	Dev Chg - PW/Build/Equip/Fleet										
2013	25,000	25,000	0		210,876	50,000	30,000	0	0	0	0	0	0	0	290,876
2014	125,000	125,000	0	136	Equipment Replacement										
2015	155,500	155,500	0		201,000	0	0	0	0	0	0	0	0	0	201,000
2016	40,000	40,000	0	169	Pay As You Go - Capital Reserve										
2017	145,000	145,000	0		29,124	100,000	120,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,299,124
2018	310,000	310,000	0		Total	1,006,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	2,356,000
2019	543,000	543,000	0			0									
2020	877,000	877,000	0												
2021	135,000	45,000	90,000												
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				Unknown	Increased operating budgets related to maintenance, parts, fuel, etc. required when equipment is added to the fleet. Magnitude of additional costs dependent upon type of equipment being added.								0	0	
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2007	January 1, 2016	Growth: 100.0 % Maintenance: 0.0 %		Angela Marazita					Ongoing`						

Referred to the Capital Budget Review Committee

November 9, 2021

Fleet Additions & Upgrades Budget Summary

Item	Department/ Division	Fleet Area	Equipment Request	Background Information	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1	Building	Corporate	Conversion of 11 minivans to electric vehicles	The Building department supports the conversion of its dedicated fleet to electric vehicles. The incremental cost for an electric vehicle is approximately \$15,000. Of 23 dedicated units, 1 is an electric vehicle. In 2020, 5 electric vehicle additions were approved. Conversion of 11 minivans on the corporate replacement plan will bring the conversion rate from 26% to 74% in the Building department.	\$ 165,000									
2	Environmental	Corporate	1 Regular Pickup (Class 220)	As per budget issue 2022-0058 for the conversion of a seasonal pickup truck with tip box, the purchase of a regular sized pickup with a tip box is required to provide the department with dedicated unit as it is being utilized year round to provide services.	\$ 42,000									
3	Environmental	Corporate	1 Street Sweeper (Class 520)	As per budget issue 2022-00586 for the enhancement of street sweeping services, the purchase of an additional street sweeper is required to provide this service.	\$ -									
4	Pollution Control	Corporate	2 Regular Pickups (Class 220)	As per budget issue 2022-0225 for the conversion of two seasonal pickups, the purchase of two pickups is required to provide a more efficient service of the Pumping Stations Department.	\$ -									
5	Pollution Control	Corporate	1 Utility Truck (Class 230)	As per budget issue 2022-0225 for the conversion of one utility vehicle, the purchase of one utility vehicle is required to provide a more efficient service by the Electrical department.	\$ -									
6	Traffic	Corporate	1 Minivan	As per operating budget issue 2022-0047 for the addition of an Infrastructure Locator Position for Signal Locate Services, the purchase of a minivan is required to enable the locator to attend sites across the City.	\$ 42,000									
7	In-camera		1 Regular Pickup (Class 220)	Budget Issue 2022-0048	\$ 42,000									

Referred to the Capital Budget Review Committee

November 9, 2021

Fleet Additions & Upgrades Budget Summary

Item	Department/ Division	Fleet Area	Equipment Request	Background Information	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
8	Maintenance - Sewers	Corporate	1 Cargo Van (Class 110)	As per operating budget issue 2022-0334 for the conversion of a seasonal cargo van to a dedicated unit, the purchase of a cargo van is required for sidewalk repairs to reduce the risk to the corporation. An electric vehicle will be considered if available and operationally feasible.	\$ 65,000									
9	Maintenance - Sewers	Corporate	1 Sewer Vactor/Flusher (Class 531)	As per operating budget issue 2022-0335 for the conversion of a fully depreciated flusher unit to a dedicated unit is required to clean the Corporation's sewer assets, a sewer flusher must be purchased to provide sewer cleaning services.	\$ 500,000									
10	Library	Corporate	1 Full Size Van	The Library has a 2011 van that was purchased by the Library and therefore is not part of the corporate rental rate system or fleet replacement plan. Acquisition of this van will provide a dedicated vehicle for the Library to carry out its duties. The department will be submitting a budget issue during the 2022 budget process to request operating funds for a dedicated fleet unit.		\$ 36,000								
11	Various	All	Unforeseen and/or emergency additions.	While capital budget is based on a 8 year plan, equipment requests are provided on an annual basis, therefore, submissions will be made each year based on user requirements unless the user is able to forecast farther in advance.	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
Total Fleet Additions/Upgrades					\$1,006,000	\$186,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Rounded					\$1,006,000	\$186,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000

Notes:

1. All requests must be reviewed by the Fleet Review Committee prior to being submitted as a capital budget request.
2. Estimated Purchase Price represents purchase price and capitalization costs.



Project Version Summary

Project #	OPS-027-18	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Fleet
Title	Greening the Fleet		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>The City of Windsor has a number of plans that identify greening the fleet as an objective for the Fleet Division. The Environmental Master Plan identifies greening the fleet as an objective to reduce air emissions caused by City vehicles in order to create healthier communities. To demonstrate the City's commitment toward reducing its environmental impact, City Council adopted a resolution (M502-2012) to receive the Green Fleet Plan for information and approve it as a guiding document for the operation and management of the City's fleet. The plan includes an action item to "consider the purchase of green vehicles including hybrid, electric or alternative fuel vehicles where one is available in the appropriate class of vehicles and is operationally and economically feasible." Furthermore, Council recently approved the City's Corporate Climate Change Action Plan (CCAP) which aligns with the Ontario Climate Change Action Plan which includes electric vehicle incentives.</p> <p>This project is to assist with implementing new technologies, vehicles and equipment to green the city fleet to reduce emissions and reduce the total cost of fuel. For vehicles included in the City's fleet equipment replacement plans, this project is to provide funding for the incremental costs.</p>	<p>The Fleet Review Committee approved the implementation of a pilot electric vehicle program in 2017. The Ontario government's modernization of the electric vehicle incentive program has made electric vehicles more affordable by offering incentives in 2017 for the purchase of electric vehicles as well as charging stations. Additionally there is a greater selection of electric vehicles from all manufacturers available for consideration. With the elimination of these incentive programs and grant funding opportunities, expansion of electric vehicles in the corporate fleet will require capital funds for the incremental vehicle costs as well as the purchase and installation of electric charging stations.</p> <p>The Fleet Division purchased 3 vehicles during its pilot electric vehicle program in 2017 consisting of 1 hybrid, 1 plug-in hybrid and 1 fully electric vehicle. Provincial incentives were eliminated in 2018. In 2019, a federal incentive was introduced for the purchase of electric vehicles. In 2019, 6 fully electric vehicles have been added to the corporate fleet.</p>

Project Comments/Reference	Version Comments
7229000	Note: CR238/2020 - C 38/2020: 2020 F136 \$135,985 - 7215005 ZEVIP-Zero-Emissions Vehicle Infrastructure Program. Grant was successful.

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	50,000	50,000	0	5110 Machinery & Equipment - TCA												
2023	50,000	50,000	0		50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000	700,000	
2024	50,000	50,000	0	Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000	700,000	
2025	50,000	50,000	0	Revenues												
2026	50,000	50,000	0	169 Pay As You Go - Capital Reserve												
2027	50,000	50,000	0		50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000	700,000	
2028	50,000	50,000	0	Total	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000	700,000	
2029	50,000	50,000	0													
2030	50,000	50,000	0													
2031	250,000	250,000	0													
	700,000	700,000	0													

Historical Approved Budget

Related Projects			Operating Budget Impact			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2018	January 1, 2022	Growth: 100.0 % Maintenance: 0.0 %	Angela Marazita	Ongoing`		
			Effective Date	Description	Exp/(Rev)	FTE Impact
			Unknown	Implementation of greener vehicles results in reductions in maintenance and fuel costs	0	0



Project Version Summary

Project #	OPS-001-13	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Parking Services
Title	Parking Equipment Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	Ward 2, Ward 3, Ward 4		
Version Name	Main (Active)		

<p>Project Description</p> <p>There are several pieces of equipment used in the day to day operations for the On/Off Street Parking Division that require upgrading/replacement over the next several years due to age and new payment technologies.</p> <p>This project is funded from the On-Off Street Parking Reserve Fund. The balance in the On-Off Street Parking Reserve Fund as of December 31, 2020 is \$2,275,605. The current 10-year reserve forecast, including the capital funding for this project, projects this reserve will remain sustainable.</p>	<p>Version Description</p> <p>An annual allotment of funds is identified for replacement of equipment each year. Equipment being replaced includes parking meters, exit gates, entrance gates, cameras, server for new web based parking ID equipment, pay stations, pay & display machines. Replacements could be a result of upgrading of technology and / or replacement due to age or repair requirements.</p>
<p>Project Comments/Reference</p> <p>7135001</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	106,000	106,000	0	5110	Machinery & Equipment - TCA											
2023	108,000	108,000	0		106,000	108,000	110,000	112,000	114,000	116,000	118,000	120,000	122,000	124,000	1,150,000	
2024	110,000	110,000	0		Total	106,000	108,000	110,000	112,000	114,000	116,000	118,000	120,000	122,000	124,000	1,150,000
2025	112,000	112,000	0	Revenues												
2026	114,000	114,000	0	138	Off Street Parking											
2027	116,000	116,000	0		106,000	108,000	110,000	112,000	114,000	116,000	118,000	120,000	122,000	124,000	1,150,000	
2028	118,000	118,000	0		Total	106,000	108,000	110,000	112,000	114,000	116,000	118,000	120,000	122,000	124,000	1,150,000
2029	120,000	120,000	0													
2030	122,000	122,000	0													
2031	124,000	124,000	0													
	1,150,000	1,150,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2013	106,000	106,000	0													
2014	92,000	92,000	0													
2015	72,000	72,000	0													
2016	62,000	62,000	0													
2017	62,000	62,000	0													
2018	120,000	120,000	0													
2019	100,000	100,000	0													
2020	102,000	102,000	0													
2021	104,000	104,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.							0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2013	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Shawna Boakes				Ongoing`								



Project Version Summary

Project #	OPS-018-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Parking Services
Title	Parking Garage Capital Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	Ward 3		
Version Name	Main (Active)		

<p>Project Description</p> <p>Ongoing municipal parking garages rehabilitation as required. Installation of protective membrane acts as a barrier to protect the concrete from water and salt penetration. Without this membrane, structural repairs will arise due to corrosion. These membranes have a life expectancy of 5 years, therefore ongoing project funding is required. Inspections are done bi-annually at both the Goyeau and Pelissier garages which are used to determine additional work that is required. The membrane work as well as the inspection reports are used to develop yearly maintenance packages.</p> <p>This project is funded from the On-Off Street Parking Reserve Fund. The balance in the On-Off Street Parking Reserve Fund as of December 31, 2020 is \$2,275,605. The current 10-year reserve forecast, including the capital funding for this project, projects this reserve will remain sustainable.</p>	<p>Version Description</p> <p>The bi-yearly inspection report shall be completed again in 2022, which will be completed in the spring and will illustrate priorities for 2022/23.</p> <p>Elevator maintenance at the Goyeau garage was completed in 2021 along with other structural upgrades in both garages.</p>
<p>Project Comments/Reference</p> <p>(Closed: 7035075/7121002/7131114)</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	1,220,400	1,220,400	0	5410	Construction Contracts - TCA											
2023	717,000	717,000	0		1,220,400	717,000	717,000	750,000	750,000	750,000	750,000	600,000	600,000	600,000	7,454,400	
2024	717,000	717,000	0		Total	1,220,400	717,000	717,000	750,000	750,000	750,000	750,000	600,000	600,000	600,000	7,454,400
2025	750,000	750,000	0			0										
2026	750,000	750,000	0		Revenues											
2027	750,000	750,000	0	138	Off Street Parking											
2028	750,000	750,000	0		1,220,400	717,000	717,000	750,000	750,000	750,000	750,000	600,000	600,000	600,000	7,454,400	
2029	600,000	600,000	0		Total	1,220,400	717,000	717,000	750,000	750,000	750,000	600,000	600,000	600,000	7,454,400	
2030	600,000	600,000	0			0										
2031	600,000	600,000	0													
	7,454,400	7,454,400	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2012	200,000	200,000	0													
2013	200,000	200,000	0													
2014	200,000	200,000	0													
2015	200,000	200,000	0													
2016	300,000	300,000	0													
2017	300,000	300,000	0													
2018	300,000	300,000	0													
2019	500,000	500,000	0													
2020	510,000	510,000	0													
2021	1,040,000	1,040,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.							0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2007	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %		Shawna Boakes / Ian Day				Ongoing`								



Project Version Summary

Project #	OPS-019-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Parking Services
Title	New Parking Lot Development		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
<p>This allocation provides for property acquisition and development for the expansion of the municipal parking program throughout the city where required.</p> <ul style="list-style-type: none"> - Per CR499/91, purchase of properties for construction of off-street parking facilities within the Erie St. BIA. - Per CR1203/99, purchase of properties for construction of off-street parking facilities along Wyandotte St. from McDougall to Devonshire. <p>This project is funded from the On-Off Street Parking Reserve Fund. The balance in the On-Off Street Parking Reserve Fund as of December 31, 2020 is \$2,275,605. The current 10-year reserve forecast, including the capital funding for this project, projects this reserve will remain sustainable.</p>				Annual funding will accumulate until funds are available to purchase property to construct a lot.												
Project Comments/Reference				Version Comments												
(7059127 closed) 7219009																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue	Subsidies													
		Net City Cost														
2022	100,000	100,000	0													
2023	100,000	100,000	0													
2024	100,000	100,000	0													
2025	100,000	100,000	0													
2026	100,000	100,000	0													
2027	100,000	100,000	0													
2028	100,000	100,000	0													
2029	100,000	100,000	0													
2030	100,000	100,000	0													
2031	100,000	100,000	0													
	1,000,000	1,000,000	0													
Historical Approved Budget																
Year	Total Expense	Revenue	Subsidies													
2021	100,000	100,000	0													

Related Projects			Operating Budget Impact	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
			Effective Date Description Unknown New parking lot developments will require operating budget increases for ongoing repairs and maintenance.	Exp/(Rev) FTE Impact 0 0
2007	January 1, 2019	Growth: 100.0 % Maintenance: 0.0 %	Shawna Boakes / Ian Day	Ongoing`



Project Version Summary

Project #	OPS-020-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Parking Services
Title	Parking Lot Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>This allocation provides for the rehabilitation of municipal parking lots in the City.</p> <p>An annual expenditure of \$250,000 for rehabilitation work is recommended. Annual funding accumulates annually in preparation for required rehabilitation.</p> <p>This project is funded from the On-Off Street Parking Reserve Fund. The balance in the On-Off Street Parking Reserve Fund as of December 31, 2020 is \$2,275,605. The current 10-year reserve forecast, including the capital funding for this project, projects this reserve will remain sustainable.</p>	<p>A full condition assessment of lots was completed in 2020. This report illustrated that a number of lots are failing.</p> <p>Lot 16 will be rehabilitated in 2022.</p>

Project Comments/Reference	Version Comments
7191022 CLOSED: 7059014/ 7111032	

Project Forecast	Project Detailed Forecast																																																																																																																																																																
<table border="1"> <thead> <tr> <th colspan="4">Revenue</th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr><td>2022</td><td>400,000</td><td>400,000</td><td>0</td></tr> <tr><td>2023</td><td>200,000</td><td>200,000</td><td>0</td></tr> <tr><td>2024</td><td>200,000</td><td>200,000</td><td>0</td></tr> <tr><td>2025</td><td>200,000</td><td>200,000</td><td>0</td></tr> <tr><td>2026</td><td>200,000</td><td>200,000</td><td>0</td></tr> <tr><td>2027</td><td>200,000</td><td>200,000</td><td>0</td></tr> <tr><td>2028</td><td>200,000</td><td>200,000</td><td>0</td></tr> <tr><td>2029</td><td>200,000</td><td>200,000</td><td>0</td></tr> <tr><td>2030</td><td>200,000</td><td>200,000</td><td>0</td></tr> <tr><td>2031</td><td>200,000</td><td>200,000</td><td>0</td></tr> <tr><td>2022-2031</td><td>2,200,000</td><td>2,200,000</td><td>0</td></tr> </tbody> </table>	Revenue				Year	Total Expense	Net City Cost	Subsidies	2022	400,000	400,000	0	2023	200,000	200,000	0	2024	200,000	200,000	0	2025	200,000	200,000	0	2026	200,000	200,000	0	2027	200,000	200,000	0	2028	200,000	200,000	0	2029	200,000	200,000	0	2030	200,000	200,000	0	2031	200,000	200,000	0	2022-2031	2,200,000	2,200,000	0	<table border="1"> <thead> <tr> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="12">Expenses</td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>400,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>2,200,000</td> </tr> <tr> <td>Total</td> <td>400,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>2,200,000</td> </tr> <tr> <td colspan="12">Revenues</td> </tr> <tr> <td>138 Off Street Parking</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>400,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>2,200,000</td> </tr> <tr> <td>Total</td> <td>400,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>200,000</td> <td>2,200,000</td> </tr> </tbody> </table>	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Expenses												5410 Construction Contracts - TCA													400,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,200,000	Total	400,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,200,000	Revenues												138 Off Street Parking													400,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,200,000	Total	400,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,200,000
Revenue																																																																																																																																																																	
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2025	200,000	200,000	0																																																																																																																																																														
2026	200,000	200,000	0																																																																																																																																																														
2027	200,000	200,000	0																																																																																																																																																														
2028	200,000	200,000	0																																																																																																																																																														
2029	200,000	200,000	0																																																																																																																																																														
2030	200,000	200,000	0																																																																																																																																																														
2031	200,000	200,000	0																																																																																																																																																														
2022-2031	2,200,000	2,200,000	0																																																																																																																																																														
GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total																																																																																																																																																						
Expenses																																																																																																																																																																	
5410 Construction Contracts - TCA																																																																																																																																																																	
	400,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,200,000																																																																																																																																																						
Total	400,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,200,000																																																																																																																																																						
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Historical Approved Budget																									
<table border="1"> <thead> <tr> <th colspan="4">Revenue</th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr><td>2011</td><td>40,000</td><td>40,000</td><td>0</td></tr> <tr><td>2019</td><td>50,000</td><td>50,000</td><td>0</td></tr> <tr><td>2020</td><td>102,000</td><td>102,000</td><td>0</td></tr> <tr><td>2021</td><td>104,000</td><td>104,000</td><td>0</td></tr> </tbody> </table>	Revenue				Year	Total Expense	Net City Cost	Subsidies	2011	40,000	40,000	0	2019	50,000	50,000	0	2020	102,000	102,000	0	2021	104,000	104,000	0	
Revenue																									
Year	Total Expense	Net City Cost	Subsidies																						
2011	40,000	40,000	0																						
2019	50,000	50,000	0																						
2020	102,000	102,000	0																						
2021	104,000	104,000	0																						

Related Projects			Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date	
2007	January 1, 2019	Growth: 0.0 % Maintenance: 100.0 %	Shawna Boakes / Ian Day	Ongoing`	
			Effective Date	Description	Exp/(Rev) FTE Impact
			Unknown	Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.	0 0



Project Version Summary

Project #	ECP-001-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Streetlighting
Title	Citywide Streetlight Rehabilitation & Relocations Including E.C. Row Expressway		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Several programs have been developed to replace, upgrade and maintain various street lights city wide. This includes:</p> <ul style="list-style-type: none"> - Street light relocation due to Enwin capital hydro project upgrades - Upgrades to street light poles and wiring <p>This program relates to collector and arterial roads which do not currently meet City policies related to the provision of street lights.</p> <p>To assist with installation of lighting in alleyways as per S129/2018, "Alley Lighting and Related Measures Policy".</p> <p>This program is required to replace wiring, inspect and repair pole bases, rehabilitate control boxes and replace poles as required due to the age of the existing street lighting infrastructure including infrastructure on E.C. Row Expressway.</p>	<p>2022 - 2031: Street light relocations, upgrades to street light poles and wiring citywide including E.C. Row Expressway</p> <ul style="list-style-type: none"> - Citywide street light relocation due to Enwin capital hydro project repairs and maintenance to street light poles and wiring. - Immediate pole replacement for one or two poles in an area that are degrading - Wiring upgrades to areas without conduit and experiencing voltage/current issues. - Replace older/degrading underground conduit. - Labour costs for premature failure of decorative poles (warranty includes material only). - Replace degrading power supplies - Repair receptacles and pedestrian lighting in BIA areas.
Project Comments/Reference	Version Comments
<p>(7093003, 7209010 closed) 7035011</p>	

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	369,353	369,353	0	5410	Construction Contracts - TCA											
2023	593,375	593,375	0		369,353	593,375	943,615	1,266,280	1,360,000	1,360,000	1,357,460	1,010,800	1,298,940	870,000	10,429,823	
2024	943,615	943,615	0		Total	369,353	593,375	943,615	1,266,280	1,360,000	1,360,000	1,357,460	1,010,800	1,298,940	870,000	10,429,823
2025	1,266,280	1,266,280	0	Revenues												
2026	1,360,000	1,360,000	0	169	Pay As You Go - Capital Reserve											
2027	1,360,000	1,360,000	0		50,000	50,000	50,000	50,000	0	0	0	0	0	0	200,000	
2028	1,357,460	1,357,460	0	221	Service Sustainability Investm											
2029	1,010,800	1,010,800	0		319,353	543,375	893,615	1,216,280	1,360,000	1,360,000	1,357,460	1,010,800	1,298,940	870,000	10,229,823	
2030	1,298,940	1,298,940	0		Total	369,353	593,375	943,615	1,266,280	1,360,000	1,360,000	1,357,460	1,010,800	1,298,940	870,000	10,429,823
2031	870,000	870,000	0													
	10,429,823	10,429,823	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2007	200,000	200,000	0													
2008	375,000	375,000	0													
2009	800,000	800,000	0													
2010	800,000	800,000	0													
2011	850,000	100,000	750,000													
2015	120,000	120,000	0													
2016	340,000	340,000	0													
2017	400,000	400,000	0													
2018	700,000	700,000	0													
2019	520,000	520,000	0													
2020	240,000	240,000	0													
2021	660,990	660,990	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description							Exp/(Rev)	FTE Impact			
				Unknown	Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.							0	0			
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2007	January 1, 2007	Growth: 0.0 % Maintenance: 100.0 %		Shawna Boakes / Ian Day				Ongoing`								



Project Version Summary

Project #	ENG-003-17	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Streetlighting
Title	New Streetlights on Collectors and Arterials		
Budget Status	Council Approved Budget		
Major Category	Roads Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																															
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2030	100,000	100,000	0																																																																																																																																																																																																																																
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2017	January 1, 2022	Growth: 100.0 % Maintenance: 0.0 %	Shawna Boakes / Ian Day	Ongoing`																																																																																																																																																																																																																															



Project Version Summary

Project #	ENG-007-20	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Streetlighting
Title	Streetlights on Ottawa Street - Pierre to Howard		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	Ward 4		
Version Name	Main (Active)		

Project Description				Version Description												
To replace the existing decorative street light poles on Ottawa Street from Pierre Avenue to Howard Avenue due to age.				Engineering will be completed in 2021, with tender for construction issued in 2022. Pedestrian lighting shall be included in the replacement program.												
Project Comments/Reference				Version Comments												
7203003																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	338,703	338,703	0													
2023	462,753	462,753	0													
2024	136,589	136,589	0													
2025	0	0	0													
2026	0	0	0													
2027	0	0	0													
2028	0	0	0													
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
938,045				938,045				938,045				938,045				938,045
Historical Approved Budget				Revenues												
Year	Total Expense	Net City Cost	Subsidies													
2020	50,965	50,965	0													
2021	160,990	160,990	0													
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2020	January 1, 2020	Growth: 0.0 % Maintenance: 100.0 %		Shawna Boakes / Ian Day					2022'							



Project Version Summary

Project #	OPS-001-21	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Streetlighting
Title	Streetlight Pole Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
<p>On-going major street light replacement program including pole and wiring replacement, and decorative pole/luminaire replacement. Many areas around the City require large-scale replacements due to age of infrastructure. This project would be used to address these areas on a yearly basis as funding is available.</p> <p>The City owns 16,325 poles and has 24,000 luminaires. Of these, 2,716 are decorative poles and more than 80% of the decorative poles are older non-LED technology. Poles have a life cycle of 20 years which means the City should be replacing 816 poles on a yearly basis in order to replace all poles at or before end of life. City staff are initiating a pole inspection program at a cost of \$150,792 to be split over a 3 year rotational term, therefore, 5,442 poles will be reviewed each year. The cost to run the inspection program will be accommodated in this project. The inspection program will identify upcoming projects for this project.</p>				<p>The pole inspection program began in 2021 with 66% of poles inspected in the first year of the program. By the end of 2022, the initial full inspection will be completed. This should become an annual program with funding from this project.</p> <p>The cost to replace 680 standard poles each year is ~\$2,800 per pole, and the cost to replace 135 decorative poles each year is ~\$5,500 per pole. This would cost the City ~\$2,646,500 each year. Initially a number of older decorative poles would require an upgraded luminaire which would cost an additional \$4,000 per pole. In order to begin to address the deficiencies, the following projects have already been identified as requiring immediate attention. The inspection will identify new projects each year.</p> <p>Priority pole replacement projects (includes pole replacements only, no upgrades to wiring or luminaires):</p> <ul style="list-style-type: none"> * Giles Blvd (Janette to Gladstone) - \$242,666 * Sandwich Area - \$522,666 * Walkerville Area - \$1,260,000 * University (Crawford to Sunset) - \$588,000 * South Central Area (Wyandotte Street W to Tecumseh Street W) - \$504,000 <p>Future projects to be identified through the ongoing inspection program initiated in 2021.</p>												
Project Comments/Reference				Version Comments												
7214002, 7219019				COMMITMENT: CR166/2021 S 136/2020: 2022 F221 \$187,304 - 2023-2025 F221 \$292,304												
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	237,304	237,304	0	5410	Construction Contracts - TCA											
2023	342,304	342,304	0		237,304	342,304	442,304	442,304	100,000	100,000	638,790	940,450	722,310	501,940	4,467,706	
2024	442,304	442,304	0		Total	237,304	342,304	442,304	442,304	100,000	100,000	638,790	940,450	722,310	501,940	4,467,706
2025	442,304	442,304	0	Revenues												
2026	100,000	100,000	0	221	Service Sustainability Investm											
2027	100,000	100,000	0		50,000	50,000	150,000	150,000	100,000	100,000	638,790	940,450	722,310	501,940	3,403,490	
2028	638,790	638,790	0	221CF	Committed Funding											
2029	940,450	940,450	0		187,304	292,304	292,304	292,304	0	0	0	0	0	0	1,064,216	
2030	722,310	722,310	0		Total	237,304	342,304	442,304	442,304	100,000	100,000	638,790	940,450	722,310	501,940	4,467,706
2031	501,940	501,940	0													
		4,467,706	4,467,706	0												
Historical Approved Budget																

Related Projects			Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date	
			Effective Date	Description	Exp/(Rev) FTE Impact
			Unknown	Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.	0 0
2021	January 1, 2021	Growth: 0.0 % Maintenance: 100.0 %	Shawna Boakes / Ian Day	Ongoing`	



Project Version Summary

Project #	OPS-004-19	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Technical Support
Title	Infor Hansen Infrastructure Management System		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Upgrade of the Infor Hansen infrastructure management software system and the implementation of a mobile solution for Hansen.</p> <p>The Infor Hansen system is used by Public Works and corporately for infrastructure asset management and work order management to track & record infrastructure assets, work order repair histories, inspections, condition ratings, and repairs performed. The system is used to manage the road network assets, sewer & drainage networks, bridges, sidewalks, railway grade crossings, private drain connections, etc. The system is also used by Parks Forestry to manage the tree inventory and related forestry activities.</p> <p>The proposed upgrade will move the software from Hansen Version 8.2.3 to the latest version. The first priority for the implementation of a mobile solution for Hansen is the sidewalk inspection program. Mobility could then be expanded to other field inspection programs and field work in the future. An upgrade to the base system software is required for the implementation of a mobile solution for Hansen.</p> <p>This project will also fund future upgrades and system costs once the current upgrade is complete and mobile solution implemented. The next upgrade would be planned for 2026 to 2027, and every 5 years thereafter.</p>	<p>The last software upgrade was completed in 2012 (Hansen 7 to Hansen 8.2.3 web-based). Upgrades are recommended as a component of regular software system maintenance to leverage new features, enhancements, and development in the software and to maintain system compatibility with other systems that it must communicate with in order to function. An upgrade to the latest version of Hansen is recommended at this time and needed to implement mobile technologies and other features.</p> <p>The project includes the implementation of a mobile solution to improve data availability and operational efficiency in-the-field by:</p> <ul style="list-style-type: none"> • reducing the number of hard copy forms, • eliminating data entry backlogs, • expediting the release of inspection results and issuance of work orders, • enabling real-time data capture during data collection, inspections, and repairs • querying capabilities of asset information, work orders, & inspections in the field <p>The first priority for the mobility implementation is the sidewalk inspection program.</p> <p>The preliminary project estimate includes software licensing, software support costs, hardware & devices, professional services (upgrade & mobility), internal resources, and fees. The preliminary cost breakdown is \$115k for the Upgrade (Phase 1- 2019 to 2020) and \$160,000 for Mobility (Phase 2 – 2020 to 2021).</p> <p>The preliminary cost estimate is \$275,000. A placeholder of \$50,000 in funding is currently available in the Asset Planning Service Design and Implementation Project (Project 7131117) pending approval by the Asset Planning Steering Committee. The approval of the Asset Planning Steering Committee is contingent on the approval of the balance of project funding in principle by Council. This capital budget submission requests the remaining \$225,000 needed to fully fund this project.</p> <p>Once the current upgrade and mobility is complete, this project will also fund future upgrades and system costs. A placeholder amount of \$130,000 is included for this purpose in future years. The next scheduled upgrade would be planned for the 2026 to 2027 timeframe.</p>
Project Comments/Reference	Version Comments
7209001	

Project Forecast				Project Detailed Forecast												
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Net City Cost	Subsidies													
2022	0	0	0	Expenses												
2023	0	0	0	5126	Computer Software	0	0	0	0	65,000	65,000	0	0	0	45,000	175,000
2024	0	0	0	<hr/>												
2025	0	0	0	Total	0	0	0	0	65,000	65,000	0	0	0	45,000	175,000	
2026	65,000	65,000	0	Revenues												
2027	65,000	65,000	0	028	Sewer Surcharge	0	0	0	0	22,750	22,750	0	0	0	15,750	61,250
2028	0	0	0	169	Pay As You Go - Capital Reserve	0	0	0	0	42,250	42,250	0	0	0	0	84,500
2029	0	0	0	<hr/>												
2030	0	0	0	176	Canada Community Benefit Funding- CCBF Reserve	0	0	0	0	0	0	0	0	0	29,250	29,250
2031	45,000	45,000	0	<hr/>												
	175,000	175,000	0	Total	0	0	0	0	65,000	65,000	0	0	0	45,000	175,000	
Historical Approved Budget																
Year	Total Expense	Revenue														
		Net City Cost	Subsidies													
2020	135,000	135,000	0													
2021	90,000	90,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
				Unknown	Implementation of new technology results in ongoing software maintenance and support costs								0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2019	January 1, 2019	Growth: 0.0 % Maintenance: 0.0 %		Diana Digirolamo					Ongoing`							



Project Version Summary

Project #	OPS-002-22	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Traffic Operations
Title	Variable Message Sign Upgrades		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards			
Version Name	Main (Active)		

<p>Project Description</p> <p>In the early 2000's, the City of Windsor received grant funding from the Ontario Ministry of Transportation to install monitoring and feed back equipment to assist in emergency situations. As part of this funding, two electronic variable message signs were installed on E.C. Row Parkway. One is located west of Banwell for westbound traffic and the other is east of Dominion for eastbound traffic. These signs have been used to identify upcoming construction and border related backups. Should new traffic detection equipment be installed along E.C. Row, the signs would be capable of notifying drivers of back ups on major corridors. They could also be utilized for emergency messaging, standard driver messaging and/or warnings.</p> <p>At this time the message boards are no longer working. LED modules are burnt out and the controller units are older technology and require an upgrade.</p> <p>This project is a one-time cost for the upgrade of both units. On-going maintenance after the upgrade shall be covered in project 7003326 Advanced Traffic Management System (ATMS) – Capital Software/Hardware Upgrades.</p>	<p>Version Description</p> <p>In 2022, this project will cover the replacement of all the LED modules on the sign and a new controller unit at both locations.</p>
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<p>Project Comments/Reference</p> <p>7221008</p>	<p>Version Comments</p>
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Project Forecast				Project Detailed Forecast											
<u>Year</u>	<u>Total Expense</u>	<u>Revenue</u>		<u>GL Account</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>Total</u>
		<u>Net City Cost</u>	<u>Subsidies</u>												
2022	75,000	75,000	0	5410 Construction Contracts - TCA	75,000	0	0	0	0	0	0	0	0	0	75,000
2023	0	0	0												
2024	0	0	0												
2025	0	0	0												
2026	0	0	0												
2027	0	0	0	169 Pay As You Go - Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0												
2029	0	0	0	221 Service Sustainability Investm	75,000	0	0	0	0	0	0	0	0	0	75,000
2030	0	0	0												
2031	0	0	0												
	75,000	75,000	0	Total	75,000	0	0	0	0	0	0	0	0	0	75,000

<p>Historical Approved Budget</p>	
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Related Projects		Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2022	January 1, 2022	Growth: 0.0 % Maintenance: 100.0 %	Shawna Boakes / Ian Day	2023`



Project Version Summary

Project #	OPS-003-22	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Traffic Operations
Title	Traffic Asset Management Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																															
Traffic Operations intends to utilize CityWide software as an inventory management system for both Signals, and Signs and Markings. The funding for this project includes software licencing fees, data collection costs (labour), and ultimately more detailed asset management.				In 2022, this project shall cover costs for data collection for both signs and markings including GPS data locating of all existing equipment, and the initial costs to develop and implement CityWide software for inventory management of traffic signal equipment.																																																																																																																																																																																																															
Project Comments/Reference				Version Comments																																																																																																																																																																																																															
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				<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Revenue</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Year</td> <td>Total Expense</td> <td>Net City Cost</td> <td>Subsidies</td> <td colspan="11">Expenses</td> </tr> <tr> <td>2022</td> <td>50,000</td> <td>0</td> <td>50,000</td> <td colspan="11">5410 Construction Contracts - TCA</td> </tr> <tr> <td>2023</td> <td>50,000</td> <td>0</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>500,000</td> </tr> <tr> <td>2024</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td colspan="11">Total</td> </tr> <tr> <td>2025</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>500,000</td> </tr> <tr> <td>2026</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td colspan="11">Revenues</td> </tr> <tr> <td>2027</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td colspan="11">169 Pay As You Go - Capital Reserve</td> </tr> <tr> <td>2028</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td>0</td> <td>0</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>400,000</td> </tr> <tr> <td>2029</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td colspan="11">7052 TRANSFER From Capital Projects</td> </tr> <tr> <td>2030</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>100,000</td> </tr> <tr> <td>2031</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td colspan="11">Total</td> </tr> <tr> <td></td> <td>500,000</td> <td>400,000</td> <td>100,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>50,000</td> <td>500,000</td> </tr> </tbody> </table>															Revenue		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Year	Total Expense	Net City Cost	Subsidies	Expenses											2022	50,000	0	50,000	5410 Construction Contracts - TCA											2023	50,000	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000	2024	50,000	50,000	0	Total											2025	50,000	50,000	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000	2026	50,000	50,000	0	Revenues											2027	50,000	50,000	0	169 Pay As You Go - Capital Reserve											2028	50,000	50,000	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	400,000	2029	50,000	50,000	0	7052 TRANSFER From Capital Projects											2030	50,000	50,000	0	50,000	50,000	0	0	0	0	0	0	0	0	100,000	2031	50,000	50,000	0	Total												500,000	400,000	100,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
		Revenue		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total																																																																																																																																																																																																					
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2028	50,000	50,000	0	0	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	400,000																																																																																																																																																																																																					
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	500,000	400,000	100,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000																																																																																																																																																																																																					
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Related Projects				Operating Budget Impact																																																																																																																																																																																																															
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date																																																																																																																																																																																																										
2022	January 1, 2022	Growth: 0.0 % Maintenance: 100.0 %		Shawna Boakes / Ian Day					Ongoing`																																																																																																																																																																																																										



Project Version Summary

Project #	OPS-008-20	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Traffic Operations
Title	Traffic Signal Upgrades and Replacements		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description

This project covers new and existing signals and signal system upgrades including LED replacements, video detection system upgrades/replacements, and upgrades to audible pedestrian signals required to provide for a safe and effective operating system for the user.

There are 290 signalized intersections operated by the City of Windsor. According to industry standards, the average life cycle of a signalized intersection is 20 years. In 2022, there will be 76 signalized intersections 30 years of age or older, and an additional 106 intersections 20 years of age or older. 20-30 year old signalized intersections represent 63% of the traffic signal infrastructure in the City of Windsor. Currently these intersections are listed in the City's asset management program at an operational level of poor. The average cost to rebuild a signalized intersection ranges from \$90,000 to \$140,000. It is not possible to upgrade all of these intersections in one year, therefore, funding is required on an ongoing basis with intersections upgraded based on priority.

Vehicle detection allows for optimal signal operations and coordination, reduces stops and delays, provides green times based on vehicle demand, and adapts to ever-changing traffic conditions. The City of Windsor utilizes video detection systems. The life of a detection camera is 10 years. Detection cameras will be replaced on a 10 year rotational basis.

The useful life of the LEDs ranges from 7 – 10 years. At the time of purchase, LEDs have a 5-year warranty on lumen output, and will be replaced free of charge if they fall below acceptable lumen levels or have any type of failure within the warranty period.

As of January 1, 2016 AODA legislation requires the installation of accessible pedestrian signals be installed at newly installed signalized intersections, and at intersections where at least 50% of the pedestrian facilities are being upgraded. The cost to implement audible pedestrian signals for an intersection can range from \$10,000 to \$50,000 depending on the existing layout of poles and configuration of the signals. Currently, less than 10% of the signalized intersections in the City meet AODA requirements.

Version Description

By the end of 2021, the majority of intersections will have new controllers. Upgrades required may include replacement of old or damage poles, mast arms, pole bases, cabinets, cabinet / system components, wiring, conduit or other components of the system. In 2020, funds will be used for material and construction costs to upgrade above ground equipment and underground infrastructure. Intersection upgrade priorities will be determined on a year to year basis based on age and condition of equipment and other capital project requirements with Engineering and Public Works Operations.

This project will also provide funding for non-intrusive detection implementation and the associated infrastructure improvements required for its implementation. In 2020, a tender was issued to determine a new technology that focused on multi-modal transportation detection. In 2021, a six month trial commenced and will be completed in the late summer. A new technology will be selected in the fall and replacement of old systems as well as installation of new intersections will begin.

Full conversion of LED signal heads was completed in late 2013/early 2014. Replacement of LEDs that have reached the end of their useful life cycle has commenced and continues on with the priority list which is based on life cycle of LEDs currently installed.

Funds will also be used to upgrade the pedestrian facilities at intersections to meet the new 2016 accessibility requirements where they have been identified through consultation with the local branch of the Canadian National Institute for the Blind (CNIB). Most intersections have push buttons installed for activation of the side street pedestrian phase, in most cases these push buttons are older models where the pad of the push button has worn off and the instruction label is no longer visible. The replacement of these buttons are required as part of on-going maintenance and due to the replacement, they must be replaced with audible style buttons. Often older intersections require physical changes such as pole movement, additional concrete, and new underground conduit and wiring. Pilot projects began in 2020 in which Bluetooth technology is used to provide AODA functionality while not meeting the full extent of the AODA physical requirements. Administration is working with the CNIB to determine the success rate of this new technology to decide if it is a short term fix for at need intersections prior to a full re-build being budgeted.

Project Comments/Reference				Version Comments											
2019 Projects (closed and merged into 7209000): 7045076 – New Signals / Signal System Improvements 7109004 – LED Signal Replacements 7192009 – Video Detection 7194000 – Audible Pedestrian Signals 7209000 – 2020 Traffic Signals – Upgrades and Replacements 7211046 - 2021 Traffic Signals – Upgrades and Replacements See Document Attached.															
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	2,088,259	2,088,259	0	5410	Construction Contracts - TCA										
2023	804,673	804,673	0		2,088,259	804,673	1,721,405	1,778,137	2,430,000	2,330,000	2,100,000	2,100,000	2,100,000	2,100,000	19,552,474
2024	1,721,405	1,721,405	0		Total	2,088,259	804,673	1,721,405	1,778,137	2,430,000	2,330,000	2,100,000	2,100,000	2,100,000	19,552,474
2025	1,778,137	1,778,137	0			9									
2026	2,430,000	2,430,000	0	Revenues											
2027	2,330,000	2,330,000	0	169	Pay As You Go - Capital Reserve										
2028	2,100,000	2,100,000	0		573,970	48,000	369,000	569,000	609,000	309,000	500,000	500,000	500,000	500,000	4,477,970
2029	2,100,000	2,100,000	0	176	Canada Community Benefit Funding- CCBF Reserve										
2030	2,100,000	2,100,000	0		1,000,000	0	0	0	0	0	0	0	0	0	1,000,000
2031	2,100,000	2,100,000	0	221	Service Sustainability Investm										
	19,552,474	19,552,474	0		514,289	756,673	1,352,405	1,209,137	1,821,000	2,021,000	1,600,000	1,600,000	1,600,000	1,600,000	14,074,504
Historical Approved Budget				221CF	Committed Funding										
					0	0	0	0	0	0	0	0	0	0	0
					Total	2,088,259	804,673	1,721,405	1,778,137	2,430,000	2,330,000	2,100,000	2,100,000	2,100,000	19,552,474
					9										
Year	Total Expense	Net City Cost	Subsidies												
2020	1,294,475	1,294,475	0												
2021	1,271,208	1,271,208	0												
Related Projects				Operating Budget Impact											
Precedes	Project Title			Effective Date	Description							Exp/(Rev)	FTE Impact		
OPS-012-07	Traffic Signals - Capital Upgrades and Replacements			Unknown	Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.							0	0		
OPS-002-09	Video Detection Infrastructure & Equipment Upgrade/Replacement Program			Unknown	Addition of video detection equipment will increase maintenance operating costs. Increased costs will be offset with decreased costs related to the number of service calls and investigation related to complaints due to the automation and upgrades. Net affect on operating is unknown at this time.							0	0		
OPS-001-10	Traffic Signal LED Replacement Program														
OPS-003-16	Accessibility - Audible Pedestrian Signals Implementation (AODA)														
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2020	January 1, 2020	Growth: 27.5 % Maintenance: 72.5 %		Shawna Boakes					Ongoing						

Project Attachment
For: 2022

Project # OPS-008-20

Project Name: Traffic Signal Upgrades and Replacements

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD	No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD
						Replace with							
1	BROCK & SANDWICH	1970	1990	51	-31	Crossride BNA work	56	GLENGARRY & WYANDOTTE	1989	2009	32	-12	
2	KILDARE & SENECA	1978	1998	43	-23	Warrant for removal	57	GOYEAU & PITT	1989	2009	32	-12	
3	CALIFORNIA & TECUMSEH	1980	2000	41	-21		58	GOYEAU & RIVERSIDE	1989	2009	32	-12	
4	CANTELON & LAUZON PKWY	1980	2000	41	-21	2023 AMP Funding	59	GRAND MARAIS & HOWARD	1989	2009	32	-12	
5	CENTRAL & E.C. ROW (N)	1980	2000	41	-21		60	HALL & WYANDOTTE	1989	2009	32	-12	
6	CENTRAL & E.C. ROW (S)	1980	2000	41	-21		61	HURON CHURCH & NORTHWOOD	1989	2009	32	-12	
7	DOMINION & E.C. ROW (N)	1980	2000	41	-21		62	PARENT & WYANDOTTE	1989	2009	32	-12	
8	DOMINION & E.C. ROW (S)	1980	2000	41	-21		63	TECUMSEH & WESTMINSTER	1989	2009	32	-12	2022 with Contracts
9	ESSEX WAY & LAUZON PKWY	1980	2000	41	-21	2021 AMP Funding	64	BRUCE & WYANDOTTE	1990	2010	31	-11	
10	FOREST GLADE & LAUZON PKWY	1980	2000	41	-21	2021 AMP Funding	65	COUNTY RD 42 & COUNTY RD 17	1990	2010	31	-11	Sandwich South Master Plan
11	HAWTHORNE & LAUZON PKWY	1980	2000	41	-21	2023 AMP Funding	66	COUNTY RD 42 & LAUZON PKWY	1990	2010	31	-11	Sandwich South Master Plan
12	RICHMOND & WALKER	1980	2000	41	-21		67	E.C. ROW & BANWELL	1990	2010	31	-11	
13	CAMPBELL & TECUMSEH	1984	2004	37	-17		68	EUGENIE & MCDOUGALL	1990	2010	31	-11	
14	CRAWFORD & WYANDOTTE	1984	2004	37	-17	2022 With Engineering	69	JANETTE & WYANDOTTE	1990	2010	31	-11	
15	DIVISION & HOWARD	1984	2004	37	-17		70	PATRICIA & WYANDOTTE	1990	2010	31	-11	
16	ELLIOTT & GOYEAU	1984	2004	37	-17		71	PELLISSIER & WYANDOTTE	1990	2010	31	-11	
17	SUNSET & UNIVERSITY	1984	2004	37	-17	University EA	72	SUNSET & WYANDOTTE W	1990	2010	31	-11	
18	BRUCE & UNIVERSITY	1985	2005	36	-16	University EA	73	UNIVERSITY & VICTORIA	1990	2010	31	-11	University EA
19	CHATHAM & GOYEAU	1985	2005	36	-16		74	DOUGALL & NOTTINGHAM	1991	2011	30	-10	
20	DOMINION & GRAND MARAIS	1985	2005	36	-16		75	HURON CHURCH & UNIVERSITY	1991	2011	30	-10	
21	FOREST GLADE & TECUMSEH	1985	2005	36	-16	2026 With Engineering	76	WINDSOR & WYANDOTTE	1991	2011	30	-10	
22	GEORGE & WYANDOTTE	1985	2005	36	-16		77	CENTRAL & SEMINOLE	1992	2012	29	-9	
23	GOYEAU & UNIVERSITY	1985	2005	36	-16		78	CHURCH & UNIVERSITY	1992	2012	29	-9	University EA
24	HOWARD & ROUNDHOUSE	1985	2005	36	-16		79	DOUGALL & NORFOLK	1992	2012	29	-9	
25	CENTRAL & TECUMSEH	1986	2006	35	-15	2024 with Contracts	80	DOUGALL & WEST GRAND	1992	2012	29	-9	
26	DOUGALL & TECUMSEH	1986	2006	35	-15		81	DROUILLARD & SEMINOLE	1992	2012	29	-9	
27	HALL & TECUMSEH	1986	2006	35	-15		82	GEORGE & SEMINOLE	1992	2012	29	-9	
28	JEFFERSON & ROSE	1986	2006	35	-15		83	HURON CHURCH & WYANDOTTE	1992	2012	29	-9	
29	KILDARE & OTTAWA	1986	2006	35	-15		84	PILLETTE & SEMINOLE	1992	2012	29	-9	
30	KILDARE & TECUMSEH	1986	2006	35	-15		85	VICTORIA & WYANDOTTE	1992	2012	29	-9	
31	LINCOLN & TECUMSEH	1986	2006	35	-15	2022 with Contracts	86	DROUILLARD & RIVERSIDE	1993	2013	28	-8	
32	OTTAWA & PARENT	1986	2006	35	-15		87	ELLIOTT & MCDOUGALL	1993	2013	28	-8	
33	CRAWFORD & UNIVERSITY	1987	2007	34	-14	University EA	88	ELLIS & OUELLETTE	1993	2013	28	-8	
34	DOUGALL & EUGENIE	1987	2007	34	-14		89	GIRARDOT & HURON CHURCH	1993	2013	28	-8	Asthetic Upgrade 2021
35	DOUGALL & SUPERCENTER	1987	2007	34	-14		90	NORTHWAY & TECUMSEH	1993	2013	28	-8	
36	ERIE & OUELLETTE	1987	2007	34	-14	2021 With Engineering	91	WELLINGTON & WYANDOTTE	1993	2013	28	-8	
37	GOYEAU & TUSCARORA	1987	2007	34	-14		92	AYLMER & RIVERSIDE	1994	2014	27	-7	
38	McDOUGALL & SHEPHERD	1987	2007	34	-14		93	BRUCE & RIVERSIDE	1994	2014	27	-7	
39	MELDRUM & TECUMSEH	1987	2007	34	-14	2022 (BNA Bridge Works)	94	CHRYSLER CENTRE & GATE 4	1994	2014	27	-7	
40	MILL & SANDWICH	1987	2007	34	-14		95	CHURCH & RIVERSIDE	1994	2014	27	-7	
41	OTTAWA & WALKER	1987	2007	34	-14		96	COLLEGE & HURON CHURCH	1994	2014	27	-7	
42	PARENT & TECUMSEH	1987	2007	34	-14		97	ERIE & GOYEAU	1994	2014	27	-7	
43	BERNARD & TECUMSEH	1988	2008	33	-13	2021 with Engineering	98	GILES & GOYEAU	1994	2014	27	-7	
44	CALIFORNIA & COLLEGE	1988	2008	33	-13		99	GILES & MCDOUGALL	1994	2014	27	-7	2022 with Engineering
45	EUGENIE & OUELLETTE	1988	2008	33	-13		100	GILES & PARENT	1994	2014	27	-7	2022 with Engineering
46	FORD & TECUMSEH	1988	2008	33	-13		101	GLENGARRY & RIVERSIDE	1994	2014	27	-7	
47	GEORGE & TECUMSEH	1988	2008	33	-13		102	OUELLETTE & SHEPHERD	1994	2014	27	-7	
48	PILLETTE & WYANDOTTE	1988	2008	33	-13		103	WATSON & WYANDOTTE	1994	2014	27	-7	
49	PRINCESS & TECUMSEH	1988	2008	33	-13		104	CAMPBELL & GROVE	1995	2015	26	-6	
50	RIVARD & TECUMSEH	1988	2008	33	-13		105	CHRYSLER CENTRE & GATE 5	1995	2015	26	-6	
51	SEMINOLE & WALKER	1988	2008	33	-13		106	EDINBOROUGH & HOWARD	1995	2015	26	-6	
52	SENECA & WALKER	1988	2008	33	-13		107	ERIE & MCDOUGALL	1995	2015	26	-6	2028 with Engineering
53	AYLMER & WYANDOTTE	1989	2009	32	-12		108	ERIE & VICTORIA	1995	2015	26	-6	
54	FOREST GLADE & LAUZON RD	1989	2009	32	-12		109	GOYEAU & WYANDOTTE	1995	2015	26	-6	
55	FOREST GLADE & WILDWOOD	1989	2009	32	-12		110	CENTRAL & TEMPLE	1996	2016	25	-5	

Project Attachment
For: 2022

Project # OPS-008-20

Project Name: Traffic Signal Upgrades and Replacements

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD	No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD
111	CHRYSLER CENTRE & GATE 2	1996	2016	25	-5		168	DOUGALL & ROSELAND	2000	2020	21	-1	
112	DIVISION & SYDNEY	1996	2016	25	-5		169	DROUILLARD & MILLOY	2000	2020	21	-1	
113	GOYEAU & PARK	1996	2016	25	-5		170	FORD GATE & SEMINOLE	2000	2020	21	-1	
114	HIRAM WALKERS & RIVERSIDE	1996	2016	25	-5		171	OUELLETTE & PITT	2000	2020	21	-1	
115	JEFFERSON & RAYMOND	1996	2016	25	-5		172	PARENT & RIVERSIDE	2000	2020	21	-1	
116	MCDUGALL & HOWARD	1996	2016	25	-5		173	WALKER & YPRES	2000	2020	21	-1	
117	MCKAY & UNIVERSITY	1996	2016	25	-5	University EA	174	CAMPBELL & UNIVERSITY	2001	2021	20	0	University EA
118	MONTREIUL & RIVERSIDE	1996	2016	25	-5		175	JEFFERSON & QUALITY WAY	2001	2021	20	0	
119	PARK & VICTORIA	1996	2016	25	-5		176	LAUZON & TRANBY	2001	2021	20	0	
120	ST. LOUIS & WYANDOTTE	1996	2016	25	-5		177	LAUZON PKWY & CATHERINE	2001	2021	20	0	
121	CHATHAM & GLENGARRY	1997	2017	24	-4		178	LAUZON PKWY & LAUZON LINE	2001	2021	20	0	
122	CURRY & WYANDOTTE	1997	2017	24	-4		179	MATCHETTE & PRINCE	2001	2021	20	0	
123	DOMINION & LABELLE	1997	2017	24	-4		180	PILLETTE & PLYMOUTH	2001	2021	20	0	
124	EUGENIE & HOWARD	1997	2017	24	-4		181	PILLETTE & TECUMSEH	2001	2021	20	0	
125	FLORENCE & RIVERSIDE	1997	2017	24	-4		182	SCULPTURE GARDEN & RIVERSIDE	2001	2021	20	0	
126	GLENGARRY & UNIVERSITY	1997	2017	24	-4		183	CURRY & GRAND MARAIS	2002	2022	19	1	
127	HOWARD & COUNTRY CLUB/LAKE TRAIL	1997	2017	24	-4	2028 With Engineering	184	DIVISION & WALKER	2002	2022	19	1	
128	HOWARD & TECUMSEH	1997	2017	24	-4		185	DROUILLARD & TECUMSEH	2002	2022	19	1	
129	PILLETTE & RIVERSIDE	1997	2017	24	-4		186	FERRY & RIVERSIDE	2002	2022	19	1	
130	RIVERSIDE & WALKER	1997	2017	24	-4		187	McDOUGALL & TECUMSEH	2002	2022	19	1	
131	THOMPSON & WYANDOTTE	1997	2017	24	-4		188	OUELLETTE & RIVERSIDE	2002	2022	19	1	
132	AYLMER & CHATHAM	1998	2018	23	-3		189	RAYMO & WYANDOTTE	2002	2022	19	1	
133	AYLMER & UNIVERSITY	1998	2018	23	-3		190	SEMINOLE & SNAKE LANE	2002	2022	19	1	
134	CABANA & GLENWOOD	1998	2018	23	-3	2022 With Engineering	191	WALKER & CALDERWOOD	2002	2022	19	1	
135	CENTRAL & DEZIEL	1998	2018	23	-3		192	BANWELL & TECUMSEH	2003	2023	18	2	
136	CENTRAL & YPRES	1998	2018	23	-3		193	TECUMSEH & WALKER	2003	2023	18	2	
137	CRAWFORD & COLLEGE	1998	2018	23	-3		194	WALKER & CANADA POST	2003	2023	18	2	
138	E.C. ROW (N) & HOWARD	1998	2018	23	-3		195	CHRYSLER CTR. & GATE 3	2004	2024	17	3	
139	E.C. ROW (S) & HOWARD	1998	2018	23	-3		196	DOUGALL PKWY & SIXTH CONC	2004	2024	17	3	
140	FLORA & RIVERSIDE	1998	2018	23	-3		197	FOSTER & WALKER	2004	2024	17	3	
141	HOWARD & LOGAN	1998	2018	23	-3		198	MONMOUTH & OTTAWA	2004	2024	17	3	
142	JEFFERSON & QUEEN ELIZABETH	1998	2018	23	-3		199	WALKER & COCO PLAZA	2004	2024	17	3	
143	LAUZON PKWY & TWIN OAKS	1998	2018	23	-3		200	BANWELL & WILDWOOD	2005	2025	16	4	To be removed 2022 - New roundabout
144	MCDUGALL & CITY HALL SQUARE S.	1998	2018	23	-3		201	CABANA & HOWARD	2005	2025	16	4	
145	MCDUGALL & RIVERSIDE	1998	2018	23	-3		202	CENTRAL & GRAND MARAIS	2005	2025	16	4	
146	MCDUGALL & UNIVERSITY	1998	2018	23	-3		203	CHRYSLER CENTRE & GRAND MARAIS	2005	2025	16	4	
147	McDOUGALL & WYANDOTTE	1998	2018	23	-3		204	CHRYSLER CTR. & GATE 1	2005	2025	16	4	
148	PARENT & ELLIS	1998	2018	23	-3		205	GRAND MARAIS & GATE #8	2005	2025	16	4	
149	PROVINCIAL & SIXTH CONC.	1998	2018	23	-3	2021 with Engineering	206	HOWARD & SHEPHERD	2005	2025	16	4	
150	RIVERSIDE & STRABANE	1998	2018	23	-3		207	JEFFERSON & TECUMSEH	2005	2025	16	4	
151	ST.ROSE & WYANDOTTE	1998	2018	23	-3		208	TECUMSEH & CLOVER	2005	2025	16	4	
152	TECUMSEH & LOEB IGA	1998	2018	23	-3		209	BANWELL & MCHUGH/MCNORTON	2006	2026	15	5	2021 with Engineering
153	VICTORIA & YMCA	1998	2018	23	-3		210	GILES & HOWARD	2006	2026	15	5	
154	ANNIE & TECUMSEH	1999	2019	22	-2		211	HOWARD & OTTAWA	2006	2026	15	5	
155	CRAWFORD & TECUMSEH	1999	2019	22	-2	TBD with Engineering	212	LAUZON & LITTLE RIVER	2006	2026	15	5	
156	CURRY/SOUTH CAMERON & TECUMSEH	1999	2019	22	-2		213	LAUZON RD & MCHUGH/LAUZON LINE	2008	2028	13	7	Some upgrades in 2019
157	DIVISION & MARENTETTE	1999	2019	22	-2		214	MILL & WYANDOTTE	2006	2026	15	5	
158	CANADIAN TIRE & TECUMSEH	1999	2019	22	-2		215	OJIBWAY & SPRUCEWOOD	2006	2026	15	5	2022 AMP Funding
159	LAUZON & TECUMSEH	1999	2019	22	-2		216	CHATHAM & OUELLETTE	2007	2027	14	6	
160	LAUZON & THE MALL	1999	2019	22	-2		217	DROUILLARD & WYANDOTTE	2007	2027	14	6	
161	LAUZON PKWY & TECUMSEH	1999	2019	22	-2		218	TECUMSEH & AUTO MALL	2007	2027	14	6	
162	LINCOLN & RIVERSIDE	1999	2019	22	-2		219	CHATHAM & MCDUGALL	2008	2028	13	7	
163	OJIBWAY & WEAVER	1999	2019	22	-2	2022 AMP Funding	220	DIVISION AND HOME DEPOT	2008	2028	13	7	
164	WALKER & ST.JULIEN	1999	2019	22	-2		221	ERIE & HOWARD	2008	2028	13	7	
165	WALKER & VIMY	1999	2019	22	-2		222	GRAND MARAIS & WALKER	2008	2028	13	7	
166	CAMPBELL & COLLEGE	2000	2020	21	-1		223	LAUZON & WYANDOTTE	2008	2028	13	7	
167	COLLEGE & WELLINGTON	2000	2020	21	-1		224	MCDUGALL & PITT	2008	2028	13	7	

Project Attachment
For: 2022

Project # OPS-008-20

Project Name: Traffic Signal Upgrades and Replacements

No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD	No.	INTERSECTION	LAST UPGRADE	UPGRADE DUE	AGE	YEARS LEFT IN LIFE CYCLE (negative number indicates years past the useful life cycle)	PLAN FOR REBUILD
225	MCHUGH & WFCU EAST ENTRANCE	2008	2028	13	7		274	CABANA & HOLBURN	2017	2037	4	16	
226	OUELLETTE & UNIVERSITY	2008	2028	13	7		275	DIVISION & UNION SQUARE PLAZA	2018	2037	3	17	
227	WYANDOTTE & RIVERDALE	2008	2028	13	7		276	LAUZON & RIVERSIDE	2018	2038	3	17	
228	CLOVER & MCHUGH	2009	2028	12	8		277	ELLIOTT & OUELLETTE	2018	2038	3	17	
229	HOWARD & NORTH TALBOT	2009	2029	12	8		278	HURON CHURCH & TOTTEN	2019	2039	2	18	
230	MAIDEN LANE & OUELLETTE	2009	2029	12	8		279	HURON CHURCH & MALDEN	2019	2039	2	18	
231	PROVINCIAL & LOWE'S	2009	2029	12	8		280	DORCHESTER & HURON CHURCH	2019	2039	2	18	
232	WALKER & DIGBY	2009	2029	12	8		281	DOUGALL AVE & OUELLETTE PL	2019	2039	2	18	
233	WALKER & PARKDALE	2009	2029	12	8		282	RIVERSIDE DRIVE & DEVONSHIRE	2020	2040	1	19	
234	HURON CHURCH & RIVERSIDE	2009	2029	12	8		283	DOMINION & NORTHWOOD	2020	2040	1	19	
235	CRAWFORD & RIVERSIDE	2010	2029	11	9		284	BANWELL & PALMETTO	2020	2040	1	19	
236	DOUGALL & E.C. ROW (N)	2010	2030	11	9	Replacement 2022	285	STRABANE & WYANDOTTE	2020	2040	1	19	
237	DOUGALL & E.C. ROW (S)	2010	2030	11	9	Replacement 2023	286	DARFIELD & MCHUGH	2021	2041	0	20	
238	DUCHARME & WALKER	2010	2030	11	9		287	LAUZON RD & SPITFIRE WAY	2021	2041	0	20	
239	EASTPARK & TECUMSEH	2010	2030	11	9		288	HURON CHURCH & TECUMSEH	2021	2041	0	20	
240	HOWARD & MEMORIAL	2010	2030	11	9		289	CABANA & DOMINION	2021	2041	0	20	
241	MONMOUTH & WYANDOTTE	2010	2030	11	9		290	CABANA & DOUGALL	2021	2041	0	20	
242	OUELLETTE & PARK	2010	2030	11	9								
243	OUELLETTE & TECUMSEH	2010	2030	11	9								
244	PARK & PELISSIER	2010	2030	11	9								
245	PELISSIER & UNIVERSITY	2010	2030	11	9								
246	PROVINCIAL & WALKER	2010	2030	11	9								
247	ROSEVILLE & TECUMSEH	2010	2030	11	9								
248	TECUMSEH & HOME DEPOT	2010	2030	11	9								
249	WALKER & HOME DEPOT	2010	2030	11	9								
250	WALKER & SEVENTH CONCESSION	2010	2030	11	9								
251	WALKER & WYANDOTTE	2010	2030	11	9								
252	CABANA & PROVINCIAL	2012	2030	9	11								
253	DOMINION & TOTTEN	2012	2032	9	11								
254	E.C. ROW (N) & WALKER	2012	2032	9	11								
255	E.C. ROW (S) & WALKER	2012	2032	9	11								
256	RANDOLPH & WYANDOTTE	2012	2032	9	11								
257	RIVERSIDE & RIVERDALE	2012	2032	9	11								
258	RIVERSIDE & SOLIDARTITY TOWERS	2012	2032	9	11								
259	CALIFORNIA & WYANDOTTE	2013	2032	8	12								
260	CAMPBELL & WYANDOTTE	2013	2033	8	12								
261	GLADSTONE & OTTAWA	2013	2033	8	12								
262	HALL & OTTAWA	2013	2033	8	12								
263	LINCOLN & OTTAWA	2013	2033	8	12								
264	SYDNEY & WALKER	2013	2033	8	12								
265	WALKER & AIRPORT	2013	2033	8	12								
266	CALIFORNIA & UNIVERSITY	2014	2033	7	13	University EA							
267	DEVONSHIRE & WYANDOTTE	2014	2034	7	13								
268	GLADSTONE & WYANDOTTE	2014	2034	7	13								
269	LINCOLN & WYANDOTTE	2014	2034	7	13								
270	GOYEAU & HOTEL DIEU CROSSING	2015	2034	6	14								
271	GILES & OUELLETTE	2017	2035	4	16								
272	JEFFERSON & WYANDOTTE	2017	2037	4	16								
273	OUELLETTE & WYANDOTTE	2017	2037	4	16								



Project Version Summary

Project #	OPS-010-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Public Works
Asset Type	Unassigned	Division	Traffic Operations
Title	Advanced Traffic Management System (ATMS) - System Maintenance		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>Council approved upgrading of the ATMS system via CR636/2002 implementing a staged approach to traffic signal system upgrades. Stage 2 was approved by CR359/2005 to commence the workstation interface. CR71/2010 approved the pilot project for implementation of the 2070 controller and D4 firmware, communications system upgrade to ethernet from serial communications, system components to facilitate/integrate the 2070 and ethernet communication systems. Successful implementation of the pilot project made the 2070 the standard controller. This project will be ongoing.</p>	<p>Version Description</p> <p>The requested funds will be used for continued maintenance and addition of enhancements to the KITS/ATMS and continued maintenance of traffic controller equipment to the 2070 controller. This also includes rehabilitating the communication system to Ethernet from serial via fibre, broadband and cellular, replacement and upgrade of the central system hardware, implantation of central system modules, continued maintenance of the KITS/ATMS enhanced operational functionalities, travel time monitoring, adaptive traffic, continued CCTV camera expansion, and installation of ITS components associated with the system. Integration of new technologies and data acquisition is being reviewed for future installation.</p>
<p>Project Comments/Reference</p> <p>7003326</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	420,000	420,000	0	5410	Construction Contracts - TCA										
2023	234,000	234,000	0		420,000	234,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	3,854,000
2024	400,000	400,000	0		Total	420,000	234,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	3,854,000
2025	400,000	400,000	0	Revenues											
2026	400,000	400,000	0	221	Service Sustainability Investm										
2027	400,000	400,000	0		420,000	234,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	3,854,000
2028	400,000	400,000	0		Total	420,000	234,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	3,854,000
2029	400,000	400,000	0												
2030	400,000	400,000	0												
2031	400,000	400,000	0												
	3,854,000	3,854,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2007	200,000	200,000	0												
2008	200,000	200,000	0												
2009	200,000	200,000	0												
2010	200,000	200,000	0												
2011	200,000	200,000	0												
2012	200,000	200,000	0												
2013	100,000	100,000	0												
2015	250,000	250,000	0												
2016	200,000	200,000	0												
2017	200,000	200,000	0												
2018	600,000	600,000	0												
2019	520,000	520,000	0												
2020	952,000	952,000	0												
2021	488,000	488,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	Any budget deferral in approved funding will result in an increase in the operating costs for temporary repairs and maintenance.						0	0			
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2007	January 1, 2015	Growth: 0.0 % Maintenance: 100.0 %	Shawna Boakes	Ongoing`											



Project Version Summary

Project #	TRN-001-22	Service Area	Infrastructure Services
Budget Year	2022	Department	Transit Windsor
Asset Type	Unassigned	Division	Administration - Transit Windsor
Title	Transit Windsor Garage		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																									
<p>This project is intended to facilitate the implementation of More Than Transit, Transit Windsor's master plan. The current Transit Windsor garage, constructed in the 1970s, is at 120% of its design capacity, and will not accommodate further system growth or fleet expansion/electrification. The TMP projects fleet growth of over 40% over the full implementation of the Plan, which the current facility will not accommodate. Further, the current garage is non-accessible, and will require significant future capital investment (e.g., HVAC, windows, roof, parking lot, accessibility features such as elevators, etc.) simply to maintain the status quo. The building also lacks facilities for higher-capacity vehicles, alternative propulsion, and staffing growth. The current site is inadequate for facility expansion beyond the current footprint, and thus will require a new site for the construction of a new facility.</p>				<p>In light of current operations and in consideration of the recommendations stemming from the recently approved Transit Windsor Master Plan and the changes it proposes, an understanding of future space needs for Transit Windsor is required. This review includes a comprehensive review of the potential for expansion and rehabilitation of the current Transit Windsor garage versus the feasibility of a new facility and will be completed as part of a fully mapped out implementation plan addressing the recommendation in the Transit Windsor Service Delivery review.</p> <p>This project is heavily reliant on grant funding eligible for Transit Windsor through the Investing in Canada Infrastructure Program (ICIP) which provides 73.33% funding for all eligible expenses. Without this grant funding, these projects would be required to be funded 100% through Municipal funding.</p> <p>Note: A garage feasibility study is currently underway to determine the best next steps for increasing capacity and funding needs for Transit's garage.</p>																																																																																																																																																																																																									
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<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Revenue</th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr><td>2022</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2023</td><td>4,073,574</td><td>4,073,574</td><td>0</td></tr> <tr><td>2024</td><td>5,701,947</td><td>5,701,947</td><td>0</td></tr> <tr><td>2025</td><td>1,024,479</td><td>1,024,479</td><td>0</td></tr> <tr><td>2026</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2027</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2028</td><td>1,000,000</td><td>1,000,000</td><td>0</td></tr> <tr><td>2029</td><td>1,000,000</td><td>1,000,000</td><td>0</td></tr> <tr><td>2030</td><td>1,000,000</td><td>1,000,000</td><td>0</td></tr> <tr><td>2031</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>Total</td><td>13,800,000</td><td>13,800,000</td><td>0</td></tr> </tbody> </table>						Revenue		Year	Total Expense	Net City Cost	Subsidies	2022	0	0	0	2023	4,073,574	4,073,574	0	2024	5,701,947	5,701,947	0	2025	1,024,479	1,024,479	0	2026	0	0	0	2027	0	0	0	2028	1,000,000	1,000,000	0	2029	1,000,000	1,000,000	0	2030	1,000,000	1,000,000	0	2031	0	0	0	Total	13,800,000	13,800,000	0	<table border="1"> <thead> <tr> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="13">Expenses</td> </tr> <tr> <td>5410</td> <td colspan="12">Construction Contracts - TCA</td> </tr> <tr> <td></td> <td>0</td> <td>4,073,574</td> <td>5,701,947</td> <td>1,024,479</td> <td>0</td> <td>0</td> <td>1,000,000</td> <td>1,000,000</td> <td>1,000,000</td> <td>0</td> <td>13,800,000</td> </tr> <tr> <td>Total</td> <td>0</td> <td>4,073,574</td> <td>5,701,947</td> <td>1,024,479</td> <td>0</td> <td>0</td> <td>1,000,000</td> <td>1,000,000</td> <td>1,000,000</td> <td>0</td> <td>13,800,000</td> </tr> <tr> <td colspan="13">Revenues</td> </tr> <tr> <td>169</td> <td colspan="12">Pay As You Go - Capital Reserve</td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,000,000</td> <td>1,000,000</td> <td>1,000,000</td> <td>0</td> <td>3,000,000</td> </tr> <tr> <td>221</td> <td colspan="12">Service Sustainability Investm</td> </tr> <tr> <td></td> <td>0</td> <td>4,073,574</td> <td>5,701,947</td> <td>1,024,479</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>10,800,000</td> </tr> <tr> <td>Total</td> <td>0</td> <td>4,073,574</td> <td>5,701,947</td> <td>1,024,479</td> <td>0</td> <td>0</td> <td>1,000,000</td> <td>1,000,000</td> <td>1,000,000</td> <td>0</td> <td>13,800,000</td> </tr> </tbody> </table>													GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Expenses													5410	Construction Contracts - TCA													0	4,073,574	5,701,947	1,024,479	0	0	1,000,000	1,000,000	1,000,000	0	13,800,000	Total	0	4,073,574	5,701,947	1,024,479	0	0	1,000,000	1,000,000	1,000,000	0	13,800,000	Revenues													169	Pay As You Go - Capital Reserve													0	0	0	0	0	0	1,000,000	1,000,000	1,000,000	0	3,000,000	221	Service Sustainability Investm													0	4,073,574	5,701,947	1,024,479	0	0	0	0	0	0	10,800,000	Total	0	4,073,574	5,701,947	1,024,479	0	0	1,000,000	1,000,000	1,000,000	0	13,800,000
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Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2022		Growth: 0.0 % Maintenance: 0.0 %	Tony Houad	Dec 2027



Project Version Summary

Project #	TRN-002-20	Service Area	Infrastructure Services
Budget Year	2022	Department	Transit Windsor
Asset Type	Unassigned	Division	Administration - Transit Windsor
Title	ICIP-TW Master Plan Implementation- Phase 1		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Under PTIF Phase I, Transit Windsor undertook an enterprise wide review of its services, focusing on conventional service, and development of new transit services. The objectives of this review were to improve transit efficiencies through innovation, identification and implementation of industry best practices, increase overall ridership, explore the need for regional transit models and explore rebranding of Transit Windsor's fixed assets. The plan was presented to City Council and approved in early 2020.</p> <p>The comprehensive service review recommended substantial updates to the transit service. As part of the service review, public engagement took place to review the Transit Windsor brand, in addition to the service itself. There were many correlating highlights that identify the need for re-evaluating the service and the brand at the same time. The goal for Transit Windsor will be to seamlessly implement the service improvements and changes needed to Transit's fixed assets. Transit Windsor has been approved for funding under the Investing in Canada Infrastructure Program (ICIP) to undertake the transition of its service and assets. This approved funding represents Phase I of the transition plan.</p> <p>This project also includes the purchase of a total end-to-end scheduling software solution for Transit Windsor's fixed routes. It is anticipated that this software will allow Transit Windsor to create optimized routes, automatically generate trips and schedules as well as manage employees and vehicles. Data collected will allow Transit Windsor to offer a higher level of service, reduce inefficiencies, realize savings in Transit Windsor's operating budget, and increase ridership. The total project cost is estimated to be \$3,876,437. With the ICIP funding for this project, it is estimated that the City will be required to provide funding of \$1,075,316 in matching funds and to address ineligible costs.</p> <p>This project has been approved for grant funding from phase 1 of the Investing in Canada Infrastructure Program (ICIP).</p>	
Project Comments/Reference	Version Comments
7203002	COMMITMENT: CR248/2019 - C 79/2019 - ICIP Public Transit Grant (ICIP-WIN-09): 2022 F169 \$802,820

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	802,820	802,820	0	5410	Construction Contracts - TCA										
2023	0	0	0		802,820	0	0	0	0	0	0	0	0	0	802,820
2024	0	0	0	Total	802,820	0	0	0	0	0	0	0	0	0	802,820
2025	0	0	0	Revenues											
2026	0	0	0	169CF	Committed Funding										
2027	0	0	0		802,820	0	0	0	0	0	0	0	0	0	802,820
2028	0	0	0	Total	802,820	0	0	0	0	0	0	0	0	0	802,820
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	802,820	802,820	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2020	2,801,121	0	2,801,121												
2021	272,496	272,496	0												
Related Projects				Operating Budget Impact											
Precedes	Project Title														
TRN-001-07	Transit Windsor Fleet Replacement Program														
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2020		Growth: 100.0 % Maintenance: 0.0 %		Tyson Cragg					2023`						



Project Version Summary

Project #	TRN-003-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Transit Windsor
Asset Type	Unassigned	Division	Administration - Transit Windsor
Title	Transit Windsor - Shelters/Signage/Amenities Maintenance and Replacement		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

<table border="1"> <tr> <th>Project Description</th> </tr> <tr> <td>In order to properly maintain and replace bus shelters, signage and other customer amenities which require maintenance due to wear and tear as well as damage, capital funding is required annually. Transit shelters also require new batteries after approximately 6 years. This project will assist in providing necessary funding to purchase and install these replacement batteries as necessary.</td> </tr> </table>	Project Description	In order to properly maintain and replace bus shelters, signage and other customer amenities which require maintenance due to wear and tear as well as damage, capital funding is required annually. Transit shelters also require new batteries after approximately 6 years. This project will assist in providing necessary funding to purchase and install these replacement batteries as necessary.	<table border="1"> <tr> <th>Version Description</th> </tr> <tr> <td>This project provides ongoing funding for maintenance and replacement needs for shelters, signage and other customer amenities.</td> </tr> </table>	Version Description	This project provides ongoing funding for maintenance and replacement needs for shelters, signage and other customer amenities.
Project Description					
In order to properly maintain and replace bus shelters, signage and other customer amenities which require maintenance due to wear and tear as well as damage, capital funding is required annually. Transit shelters also require new batteries after approximately 6 years. This project will assist in providing necessary funding to purchase and install these replacement batteries as necessary.					
Version Description					
This project provides ongoing funding for maintenance and replacement needs for shelters, signage and other customer amenities.					
<table border="1"> <tr> <th>Project Comments/Reference</th> </tr> <tr> <td>7045018</td> </tr> </table>	Project Comments/Reference	7045018	<table border="1"> <tr> <th>Version Comments</th> </tr> <tr> <td></td> </tr> </table>	Version Comments	
Project Comments/Reference					
7045018					
Version Comments					

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	51,000	51,000	0	5110	Machinery & Equipment - TCA											
2023	52,000	52,000	0		51,000	52,000	53,000	54,100	55,200	56,300	77,400	58,500	59,700	60,894	578,094	
2024	53,000	53,000	0		Total	51,000	52,000	53,000	54,100	55,200	56,300	77,400	58,500	59,700	60,894	578,094
2025	54,100	54,100	0	Revenues												
2026	55,200	55,200	0	127	Dev Chg - Transit											
2027	56,300	56,300	0		51,000	52,000	53,000	54,100	55,200	56,300	77,400	58,500	59,700	60,894	578,094	
2028	77,400	77,400	0		Total	51,000	52,000	53,000	54,100	55,200	56,300	77,400	58,500	59,700	60,894	578,094
2029	58,500	58,500	0													
2030	59,700	59,700	0													
2031	60,894	60,894	0													
	578,094	578,094	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2007	50,000	50,000	0													
2008	50,000	50,000	0													
2009	50,000	50,000	0													
2010	30,000	30,000	0													
2011	30,000	30,000	0													
2012	30,000	30,000	0													
2013	30,000	30,000	0													
2014	20,000	20,000	0													
2015	20,000	20,000	0													
2016	20,000	20,000	0													
2021	50,000	50,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description									Exp/(Rev)	FTE Impact	
				Unknown	The Transit Windsor Operating budget includes 1 FTE to clean and maintain the bus shelters, This includes inspection, minor repairs, window cleaning and garbage collection in order to provide a clean and safe environment while waiting for buses								0	0		
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2007	January 1, 2015	Growth: 100.0 % Maintenance: 0.0 %		Steve Habrun				Ongoing								



Project Version Summary

Project #	TRN-003-22	Service Area	Infrastructure Services
Budget Year	2022	Department	Transit Windsor
Asset Type	Unassigned	Division	Administration - Transit Windsor
Title	Automated Passenger Counter		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description						
Automated Passenger Counter (APCs) are electronic machines located near the doors of a transit bus that count the number of passengers that enter and exit at every transit stop. This project is intended to provide Transit Windsor with an automated method for collecting information about the number of passengers at a variety of system levels, including route, route assignment, or specific transit stops by time of day and by day of week. More detailed ridership data are used by transit planners and schedulers to analyze performance and to make changes at the route, trip or stop levels so that service levels matches the demand.	<p>In recent years, Transit Windsor installed 22 APCs in a fleet of 117 representing approximately 18%. An additional 19 APCs are scheduled for installation later this fall, which will bring the total to 41 or 35% coverage. Further in a recent 2021 bus order of 24 buses, APCs will be included in the bus order which will bring the total to 65 buses in a fleet which represents approximately 56% APC coverage.</p> <p>In 2021, as a result of the COVID-19 pandemic, Transit Windsor was able to access funding through the Safe Restart funding program to purchase and install vehicle occupancy & crowding data software. This provided riders with real time bus occupancy information delivered through Transit Windsor's prediction portal and the Transit App. APCs provide the foundation for providing real-time information on vehicle crowding to transit riders. This is especially important during the COVID-19 pandemic. As crowding information is available in real time, riders can elect to wait for the next vehicle if it is coming soon and less crowded. This new feature will assist riders to feel safe on our bus network. For optimal use, Transit Windsor is looking to install APCs on the remaining fleet in order to allow better data collections and analysis. This would also fully support the vehicle occupancy & crowding data software in providing complete information. The estimated costs of the project are as follows:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Estimated Gross Costs of the Project</td> <td style="text-align: right;">\$669,186</td> </tr> <tr> <td>Anticipated ICIP Funding @73.33%</td> <td style="text-align: right;">\$490,716</td> </tr> <tr> <td>Estimated Net City Cost @26.67%</td> <td style="text-align: right;">\$178,472</td> </tr> </table> <p>This project is heavily reliant on grant funding eligible for Transit Windsor through the Investing in Canada Infrastructure Program (ICIP) which provides 73.33% funding for all eligible expenses. Without this grant funding, these projects would be required to be funded 100% through Municipal funding. The City hasn't applied for ICIP funding yet, but intends to do so soon.</p>	Estimated Gross Costs of the Project	\$669,186	Anticipated ICIP Funding @73.33%	\$490,716	Estimated Net City Cost @26.67%	\$178,472
Estimated Gross Costs of the Project	\$669,186						
Anticipated ICIP Funding @73.33%	\$490,716						
Estimated Net City Cost @26.67%	\$178,472						

Project Comments/Reference	Version Comments
7221029	

Project Forecast	Project Detailed Forecast																																																																																																																																																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr><td>2022</td><td>90,000</td><td>90,000</td><td>0</td></tr> <tr><td>2023</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2024</td><td>110,000</td><td>110,000</td><td>0</td></tr> <tr><td>2025</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2026</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2027</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2028</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2029</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2030</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2031</td><td>0</td><td>0</td><td>0</td></tr> <tr> <td></td> <td style="text-align: right;">200,000</td> <td style="text-align: right;">200,000</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2022	90,000	90,000	0	2023	0	0	0	2024	110,000	110,000	0	2025	0	0	0	2026	0	0	0	2027	0	0	0	2028	0	0	0	2029	0	0	0	2030	0	0	0	2031	0	0	0		200,000	200,000	0	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="12">Expenses</td> </tr> <tr> <td>5410 Construction Contracts - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;">90,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">110,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">200,000</td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">90,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">110,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">200,000</td> </tr> <tr> <td colspan="12">Revenues</td> </tr> <tr> <td>221 Service Sustainability Investm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;">90,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">110,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">200,000</td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">90,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">110,000</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> <td style="text-align: right;">200,000</td> </tr> </tbody> </table>	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Expenses												5410 Construction Contracts - TCA													90,000	0	110,000	0	0	0	0	0	0	0	200,000	Total	90,000	0	110,000	0	0	0	0	0	0	0	200,000	Revenues												221 Service Sustainability Investm													90,000	0	110,000	0	0	0	0	0	0	0	200,000	Total	90,000	0	110,000	0	0	0	0	0	0	0	200,000
Year			Total Expense	Revenue																																																																																																																																																											
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Historical Approved Budget	
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Related Projects		Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2022		Growth: 0.0 % Maintenance: 100.0 %	Tony Houad	Dec 2022`



Project Version Summary

Project #	TRN-001-07	Service Area	Infrastructure Services
Budget Year	2022	Department	Transit Windsor
Asset Type	Unassigned	Division	Transit Maintenance
Title	Transit Windsor Fleet Replacement Program		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>Transit Windsor's 2015-2035 Fleet Acquisition Plan directed that for the purchasing and disposal of buses, the previously used 18-year life cycle for a bus be reduced to 12 years, thereby reducing maintenance requirements and the need for additional spare vehicles. This project submission will ensure that Transit Windsor is fully implementing a 12-year lifecycle of its fleet as recommended in the Life Cycle Costing recommendations and will be an opportunity to improve the current Transit Windsor fleet.</p> <p>This project contains funding for the Transit Windsor fleet replacement program. Prior to 2016, this project included funding for the fleet replacement program and refurbishment or repair costs that extend the useful life of the buses (as reflected in the Historical Approved Budget section). Commencing in 2016, the refurbishment and repair budget funding has been separated into a separate project (project # TRN-001-16).</p> <p>This project includes funding for the annual acquisition of replacement buses for Transit Windsor. With such a large and varying fleet of buses and with continual fiscal pressures, the City of Windsor commissioned a full lifecycle costing study in 2015 which was conducted by Parsons Brinckerhoff. This study developed a Transit Fleet Asset Management Plan that identified strategies for fiscal expenditures that results in a reduction to Transit Windsor's operating budget. The study recommended that 8 buses be purchased each year. The study was completed and reported to City Council in 2016.</p>	<p>Through the fleet replacement program, the introduction of new and modern vehicles will be another step in the process to encourage behavioural change in the community by improving the competitiveness and attractiveness of public transport. Ultimately the goal is to double the transit modal split by encouraging non-riders to take public transit for selected trips rather than drive their cars and to expand the system to improve service in the region of Windsor and Essex County.</p> <p>In the industry, buses have a projected life expectancy of 12 years with some properties keeping their buses as long as 18 years. Transit Windsor has older buses in its fleet which are costly to maintain and are not environmentally friendly. Transit Windsor has difficulty procuring repair parts and has to salvage parts from other buses to keep the buses on the road. The immediate replacement of newer clean diesel buses will reduce the GHG emissions and allow Transit Windsor to dispose of any bus older than 12 years. The average age of the Transit Windsor fleet is approximately 7.34 years. Transit Windsor's operations will become more efficient with repairs less costly and these funds can be redirected into providing and expanding service.</p> <p>In addition to the benefit to Transit Windsor's ridership, the regional community will also benefit from the continuation of an environmentally friendly fleet as this will result in a cleaner community. New buses will be more accessible and modern and replacing the current high floor with lower floor buses will also be especially attractive for seniors and persons with disabilities. Students will also be an important target group as this demographic makes up a significant part of the Windsor population.</p> <p>The City of Windsor budgets for its capital programs using an eight year plan. This project identifies funding levels required to continue with the implementation of the recommendations outlined in the lifecycle costing study which recommends that 8 buses be purchased each year.</p> <p>This project includes funding requests to replace the transit fleet before taking into account growth buses which are required for the implementation of the Transit Windsor Master Plan. Funding for the additional fleet required to implement the Master Plan are included in TRN 001-21 and TRN-004-22 which is highly reliant on the Investing in Canada Infrastructure Program (ICIP) grant funding. Year 2027 includes funding requests for the annual 8 replacement buses, however also includes high level estimates for growth buses for the new hospital. Although this funding request is included in this project and is based on potential new routes, it is recommended by Administration that Transit Windsor be involved in the budget development for the hospital and that costs associated with providing service to the new location be accounted for within the hospital's development budget.</p> <p>Based on estimated costs for 8 replacement buses annually, this project does not provide sufficient funding in order to meet the recommended 8 replacement buses annually. In order to fully fund this project, Transit is heavily relying on the ICIP grant funding which would provide 73.33% funding on eligible expenditures which would include new fleet, therefore minimizing the municipal contribution required to fund this project. All municipal funding remaining after leveraging the ICIP grant funding would be disbursed to other Transit capital projects which are currently in need of additional funding and also are reliant on the ICIP funding in order to fund future projects, mainly the Transit Master Plan.</p>
Project Comments/Reference	Version Comments
<p>7191031 / 7201014 (CLOSED: 7003812, 7109002, 7111029, 7131003, 7151007, 7121003, 7141015, 7171044, 7151006)</p>	<p>PLACEHOLDER: ICIP - Public Transit Intake 3 Grant CR338/2021 C 101/2021: 2022 F221 \$3,997,180 - 2023 F221 \$726,426.12</p>

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	3,997,180	3,997,180	0	5110	Machinery & Equipment - TCA											
2023	726,426	726,426	0		3,997,180	726,426	0	1,167,896	3,952,638	6,458,059	5,200,000	5,200,000	5,200,000	5,200,000	37,102,199	
2024	0	0	0		Total	3,997,180	726,426	0	1,167,896	3,952,638	6,458,059	5,200,000	5,200,000	5,200,000	37,102,199	
2025	1,167,896	1,167,896	0			0										
2026	3,952,638	3,952,638	0		Revenues											
2027	6,458,059	6,458,059	0	169	Pay As You Go - Capital Reserve											
2028	5,200,000	5,200,000	0		0	0	0	0	0	0	0	0	0	0	0	
2029	5,200,000	5,200,000	0	221	Service Sustainability Investm											
2030	5,200,000	5,200,000	0		0	0	0	1,167,896	3,952,638	6,458,059	5,200,000	5,200,000	5,200,000	5,200,000	32,378,593	
2031	5,200,000	5,200,000	0	221CF	Committed Funding											
					3,997,180	726,426	0	0	0	0	0	0	0	0	4,723,606	
	37,102,199	37,102,199	0		Total	3,997,180	726,426	0	1,167,896	3,952,638	6,458,059	5,200,000	5,200,000	5,200,000	37,102,199	
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2008	5,898,500	4,818,500	1,080,000													
2009	6,509,133	3,904,557	2,604,576													
2010	4,530,500	4,530,500	0													
2011	3,859,554	3,859,554	0													
2012	3,860,500	3,860,500	0													
2013	350,000	350,000	0													
2014	3,510,500	3,510,500	0													
2015	3,510,500	3,510,500	0													
2019	215,108	215,108	0													
2020	72,114	72,114	0													
Related Projects				Operating Budget Impact												
Follows		Project Title		Effective Date	Description							Exp/(Rev)	FTE Impact			
TRN-001-20		ICIP-Customer Stop Amenities		Unknown	Operating efficiencies are expected as a result of the implementation of the recommendations arising from the lifecycle costing study. Those same recommendations will inform Transit Windsor about future decisions regarding fleet maintenance and replacement.							0	0			
TRN-002-20		ICIP-TW Master Plan Implementation- Phase 1														
TRN-003-20		ICIP-Fleet Purchases														
Year Identified	Start Date	Project Type for 2022		Project Lead				Est. Completion Date								
2007	January 2, 2016	Growth: 0.0 % Maintenance: 100.0 %		Tony Houad				Ongoing								



Project Version Summary

Project #	TRN-001-16	Service Area	Infrastructure Services
Budget Year	2022	Department	Transit Windsor
Asset Type	Unassigned	Division	Transit Maintenance
Title	Transit Windsor Fleet Refurbishment/Repair Costs		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Fleet Refurbishment/Repair Costs (Active)		

<p>Project Description</p> <p>This project has funding for the Transit Windsor fleet refurbishment and repair costs that extend the useful life of the buses or additional vehicle enhancements (e.g ITS System enhancements).</p> <p>This Capital Budget submission includes a provision for refurbishment and repair or enhancement costs, which is consistent with funding levels provided in prior years.</p>	<p>Version Description</p> <p>As noted in project TRN-001-07, prior to 2016, the fleet replacement project had funding for fleet replacement and refurbishment or repair costs that extend the useful life of the buses. Commencing in 2016, the refurbishment and repair budget funding was reallocated to this separate project.</p> <p>A reduction to \$300,000 from \$500,000 in year 2023 and onward will have an impact on operating as this capital amount is transferred into operating to cover refurbishments and repairs. Due to the age of many buses within the fleet, significant refurbishment work will continue to be required in order to maintain the existing fleet over the next few years even after the new bus purchases in 2018 and 2020. In 2008, 18 new buses were purchased and now require refurbishment work at the same time. This is a downfall of purchasing a large volume of buses all in the same year. In order to ensure Transit Windsor is able to have the appropriate number of buses in service in order to meet the service demands, as well as ensure all buses are meeting MTO safety requirements, appropriate funding is required.</p> <p>The risk of reducing the refurbishment funding in future years will impact the operating budget as the work must be completed to meet service needs and therefore these costs would be required to be incurred through operating. Operating maintenance costs are continuing to increase as parts become more expensive, therefore using the operating budget to complete necessary refurbishment work would lead to a significant deficit in the Fleet Vehicle Parts and Maintenance operating budget.</p>
<p>Project Comments/Reference</p> <p>(Closed: 7151007/7171034/ 7161041/ 7181018, 7191017) Open: 7201015/ 7211035/7221028</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	500,000	500,000	0	2250	Vehicle Maint Parts/Materials										
2023	300,000	300,000	0		500,000	300,000	300,000	300,000	300,000	300,000	400,000	400,000	400,000	400,000	3,600,000
2024	300,000	300,000	0		Total	500,000	300,000	300,000	300,000	300,000	400,000	400,000	400,000	400,000	3,600,000
2025	300,000	300,000	0	Revenues											
2026	300,000	300,000	0	221	Service Sustainability Investm										
2027	300,000	300,000	0		500,000	300,000	300,000	300,000	300,000	300,000	400,000	400,000	400,000	400,000	3,600,000
2028	400,000	400,000	0		Total	500,000	300,000	300,000	300,000	300,000	400,000	400,000	400,000	400,000	3,600,000
2029	400,000	400,000	0												
2030	400,000	400,000	0												
2031	400,000	400,000	0												
	3,600,000	3,600,000	0												
Historical Approved Budget															
		Revenue													
Year	Total Expense	Net City Cost	Subsidies												
2016	471,000	471,000	0												
2017	500,000	500,000	0												
2018	500,000	500,000	0												
2019	500,000	500,000	0												
2020	500,000	500,000	0												
2021	500,000	500,000	0												
Related Projects				Operating Budget Impact											
				Effective Date	Description							Exp/(Rev)	FTE Impact		
				Unknown	No Operating budget Impact.							0	0		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2016	January 1, 2017	Growth: 0.0 % Maintenance: 100.0 %	Tony Houad	Ongoing`											



Project Version Summary

Project #	TRN-001-21	Service Area	Infrastructure Services
Budget Year	2022	Department	Transit Windsor
Asset Type	Unassigned	Division	Transit Maintenance
Title	2021 Transit Windsor Master Plan Implementation		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
<p>During 2018 and 2019, Transit Windsor conducted a Service Delivery Review which was completed at the end of 2019 with the results presented to City Council as the Transit Windsor Master Plan in early 2020. This Master Plan was approved by City Council through B7/2020 CR40/2020. This capital project requests funding for a number of projects, such as Fare Collection Technology, Customer Amenities and Terminals, On Demand, and New Growth Fleet,. All are projects outlined and recommended for implementation in the Master Plan over the upcoming eight (8) years.</p> <p>This project is heavily reliant on grant funding eligible for Transit Windsor through the Investing in Canada Infrastructure Program (ICIP) which provides 73.33% funding for all eligible expenses. Without this grant funding, these projects would be required to be funded 100% through Municipal funding.</p> <p>The preliminary funding implications of the Transit Windsor Master Plan were estimated at a very high-level as part of the Service Delivery Review. Transit Windsor will report back to Council with updates to the cost estimates as the projects progress. Based on the preliminary estimates, the funding allocated in this project provides a component of the necessary funding in order to implement the projects to move the Master Plan forward. After taking into consideration the ICIP funding grant, this project does not have sufficient funding in order to fund the entire plan as outlines in the Master Plan Implementation.</p> <p>The funds in this project will be leveraged along with the ICIP grant funding in order to maximize the implementation and funding of the Master Plan.</p>	<p>Transit Windsor completed a service delivery review in 2018 which was brought to City Council as the Transit Windsor Master Plan on January 27, 2020. This plan was approved with B7/2020 CR40/2020 and recommended that Transit Windsor service enhancements be implemented over the next eight (8) years. These enhancements provide more frequent service to a greater area throughout the Windsor region through a more effective and efficient route plan, maximizing rider service needs.</p> <p>This project includes a component of funding for projects included in the Master Plan Implementation. This project currently does not have sufficient funds in order to fund the entire plan. The funds in this project will be leveraged along with the Investing in Canada Infrastructure Program (ICIP) grant funding in order to maximize the implementation and funding of the Master Plan. Administration is highly reliant on receiving the ICIP grant funding which provides funding of 73.33% for all eligible expenditures. Without this grant funding, these projects would be required to be funded 100% through Municipal funding.</p> <p>The current funds provided in this capital project, however not sufficient to fund the entire Master Plan, will be used as a component of the municipal contribution toward grant funding as details of the specific projects are identified and approved. As Transit moves forward with the Master Plan implementation, and additional information on ICIP project submissions becomes available, Transit will assess any additional funding needs and work with administration to fund the necessary projects.</p> <p>The full scope of the Master Plan includes: New Fleet Purchase Master Plan New Terminals and Customer Amenities On- Demand Fare Collection Technology Customer Amenities and Terminals</p> <p>Transit Windsor will report back to Council with updates to the cost estimates as the projects progress. There are two projects from the Transit Plan, the Transit Windsor Garage and Automated Passenger Counter, which have been prioritized for 2022 and have been presented in TRN-001-22 and TRN-003-22.</p> <p>It is important to note that by approving this Master Plan project, additional operating impacts will therefore be brought forward through the operating budget process annually as operating funding is a significant component of the implementation plan.</p>
Project Comments/Reference	Version Comments
7201016	

Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Net City Cost	Subsidies												
2022	759,744	759,744	0	Expenses											
2023	583,204	583,204	0	5110	Machinery & Equipment - TCA										
2024	0	0	0		759,744	583,204	0	0	400,000	0	0	0	0	0	1,742,948
2025	0	0	0	Revenues											
2026	400,000	400,000	0	169	Pay As You Go - Capital Reserve										
2027	0	0	0		759,744	583,204	0	0	0	0	0	0	0	0	1,342,948
2028	0	0	0	221	Service Sustainability Investm										
2029	0	0	0		0	0	0	0	400,000	0	0	0	0	0	400,000
2030	0	0	0	Total											
2031	0	0	0		759,744	583,204	0	0	400,000	0	0	0	0	0	1,742,948
1,742,948		1,742,948	0												
Historical Approved Budget															
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				Unknown	The operating budget issue #2021-0070 is linked to this project and is related to the implementation of the Master Plan. Without approval of this issue, some projects would not be able to move forward. It is important to note that by approving this Master Plan project, additional operating impacts will therefore be brought forward through the operating budget process annually as operating funding is a significant component of the implementation plan. Overall, the Transit operating budget net impact over the next eight (8) years is anticipated to require an increase of approximately \$13,800,000. This is a high level estimate and Transit will review the plan annually and bring forward appropriate funding needs.								0	0	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2021	January 1, 2022	Growth: 100.0 % Maintenance: 0.0 %	Tyson Cragg	2027											



Project Version Summary

Project #	TRN-002-08	Service Area	Infrastructure Services
Budget Year	2022	Department	Transit Windsor
Asset Type	Unassigned	Division	Transit Maintenance
Title	Transit Windsor Fleet Structural Repairs		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
This request is to fund the major repair costs to the fleet, specifically the hybrid buses, due to the delay in replacing buses. Transit Windsor expects to continue to accrue costs to keep the existing fleet operational until such time as the older buses can be removed from service.				This provision will assist in replacing major components on hybrid buses including such as high voltage batteries, DPIM's and the DPF emission system when replacement is required. Industry experience indicates that these two major components start to fail between 6 to 8 years of age. Transit Windsor currently has 29 hybrid vehicles in the fleet and all of these vehicles are currently out of warranty.												
Project Comments/Reference				Version Comments												
7211041 (Closed: 7135000/7141016/7161042)																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
				Expenses												
				5110	Machinery & Equipment - TCA											
					200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000	
				Total	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000	
				Revenues												
				221	Service Sustainability Investm											
					200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000	
				Total	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000	
				Revenue												
				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	200,000	200,000	0													
2023	200,000	200,000	0													
2024	200,000	200,000	0													
2025	200,000	200,000	0													
2026	200,000	200,000	0													
2027	200,000	200,000	0													
2028	200,000	200,000	0													
2029	200,000	200,000	0													
2030	200,000	200,000	0													
2031	200,000	200,000	0													
	2,000,000	2,000,000	0													
Historical Approved Budget																
				Revenue												
Year	Total Expense	Net City Cost	Subsidies													
2013	150,000	150,000	0													
2014	300,000	300,000	0													
2016	300,000	300,000	0													
2021	302,500	302,500	0													

Related Projects			Operating Budget Impact		Exp/(Rev)	FTE Impact
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date		
2008	January 1, 2016	Growth: 0.0 % Maintenance: 100.0 %	Tony Houad	Ongoing`	0	0
			Effective Date Description Unknown The life cycle of some of the major components (such as the hybrid batteries and the DPIMs) is challenging to predict. There is no definite date or age as to when these components will require replacement. The replacement costs for the Hybrid ESS battery and DPIM controller are estimated at \$44,000 and \$70,250 respectively. Since 18 hybrid buses were purchased in 2009, there is likelihood that these parts will all require replacement at the same time.			



Project Version Summary

Project #	TRN-007-21	Service Area	Infrastructure Services
Budget Year	2022	Department	Transit Windsor
Asset Type	Unassigned	Division	Transit Maintenance
Title	Support Vehicles		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																																					
Transit Windsor's fleet includes a number of support and service vehicles which require replacement as their useful life comes to an end. This project provides funding to replace these vehicles and purchase additional vehicles as necessary. As service increases per the council approved Master Plan, addition support and service vehicles will be required in order to maintain necessary support for the increased service enhancements.				Transit Windsor completed a service delivery review in 2018 which was brought to City Council as the Transit Windsor Master Plan in January 27, 2020. This plan was approved with B7/2020 CR40/2020 and recommended that Transit Windsor service enhancements be implemented over the next eight (8) years. These enhancements provide more frequent service to a greater area throughout the Windsor region through a more effective and efficient route plan, maximizing rider service needs. This project includes funding for growth support vehicles which will be required as Transit increases service hours through the Master Plan implementation. Funding for replacement of Transit Windsor's current support vehicles is also included in the requested funding of this project.																																																																																																																																																																																																																																					
Project Comments/Reference				Version Comments																																																																																																																																																																																																																																					
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Project Forecast				Project Detailed Forecast																																																																																																																																																																																																																																					
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		Revenue			GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total																																																																																																																																																																																																																									
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Related Projects				Operating Budget Impact																																																																																																																																																																																																																																					
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2021	January 1, 2021	Growth: 0.0 % Maintenance: 0.0 %	Tony Houad	2027																																																																																																																																																																																																																																					

2022 Approved Capital Budget



Capital Project Summaries

Legal & Legislative



Project Version Summary

Project #	ECB-039-18	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Council Services
Asset Type	Unassigned	Division	Administration Council Services
Title	Ward Funds		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																															
On Tues. Jan. 16th, 2018, City Council approved the 2018 Enhanced Capital Budget Plan for a number of specific projects in the form of placeholder allocations subject to detailed reports to be prepared for Council's consideration.				This amount is set aside by Council and will be self-approved by City Council.																																																																																																																																																																																																																															
Project Comments/Reference				Version Comments																																																																																																																																																																																																																															
7182011, 7165003				COMMITMENT: CR4/2019 - C 217/2018: 2023 F169 \$500,000 B30/2019 - C 53/2019: 2023 F169 \$1,100,000																																																																																																																																																																																																																															
Project Forecast				Project Detailed Forecast																																																																																																																																																																																																																															
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Revenue				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total																																																																																																																																																																																																																				
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2030	0	0	0	Total	0	1,600,000	0	0	0	0	0	0	0	0	1,600,000																																																																																																																																																																																																																				
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Year Identified	Start Date	Project Type for 2022	Project Lead					Est. Completion Date																																																																																																																																																																																																																											
2018	March 1, 2018	Growth: 0.0 % Maintenance: 0.0 %	Alexandra Taylor					TBD`																																																																																																																																																																																																																											



Project Version Summary

Project #	FRS-001-19	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Operations
Title	Water Rescue Equipment - Fire & Rescue Division		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Within the city of Windsor there is 43.7 kilometers of shoreline of the Detroit River, 12.4 kilometers of shoreline of the Little River, and 8.8 kilometers of the Grand Marais Drain. Additional risks include 50 + acres made up of 6 major bodies of water including Southwood lakes and Blue Heron to name a few.				Windsor Fire & Rescue implemented Water Rescue services in 2020 as a result of rising lake levels and yearly increase in rain induced flooding. The capabilities to assist and rescue vulnerable occupants requiring assistance from flooding is now in place. Further to flood response, WFRS is identifying procurement of necessary equipment to take the opportunity and expand the program to include the inland water and ice rescue. Most equipment for this program has a lifecycle of 10 years and will require replacement starting in 2030. This will ensure equipment is up to date with the technology advancements as well as the new Health and Safety requirements as they continually evolve.												
Project Comments/Reference				Version Comments												
Windsor Fire & Rescue 2018-2023 Strategic plan, revealed that external community stakeholders expressed an area of concern that may be a weakness within current delivery system. In priority order #7 on the list, was lack of water and ice rescue service given the proximity to waterways. 7201019																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Revenue		Expenses												
		Net City Cost	Subsidies	5111	Machinery & Equipment -Non TCA											
2022	0	0	0		0	0	0	0	0	0	0	0	130,000	0	130,000	
2023	0	0	0		0	0	0	0	0	0	0	0	130,000	0	130,000	
2024	0	0	0		0	0	0	0	0	0	0	0	130,000	0	130,000	
2025	0	0	0		0	0	0	0	0	0	0	0	130,000	0	130,000	
2026	0	0	0		0	0	0	0	0	0	0	0	130,000	0	130,000	
2027	0	0	0		0	0	0	0	0	0	0	0	130,000	0	130,000	
2028	0	0	0		0	0	0	0	0	0	0	0	130,000	0	130,000	
2029	0	0	0		0	0	0	0	0	0	0	0	130,000	0	130,000	
2030	130,000	130,000	0		0	0	0	0	0	0	0	0	130,000	0	130,000	
2031	0	0	0		0	0	0	0	0	0	0	0	130,000	0	130,000	
	130,000	130,000	0		0	0	0	0	0	0	0	0	130,000	0	130,000	
Historical Approved Budget				Operating Budget Impact												
				Effective Date	Description								Exp/(Rev)	FTE Impact		
Year	Total Expense	Revenue		2026-01-01	Certification training								1,000	0		
2020	130,000	130,000	0													
Related Projects																
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												

2019	March 1, 2030	Growth: 0.0 % Maintenance: 0.0 %	Marty Haidy/Deputy Fire Chief Jamie Waffle	2030`
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Project Version Summary

Project #	FRS-001-20	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Operations
Title	Technology Replacements - Emergency Operations Centre (EOC)		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards			
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																												
Emergency Operations Centre (EOC) opened in September of 2017 with technology and components that were affordable within the project budget. As with all equipment these component funds requested are for technology maintenance and replacement as equipment capabilities decline or equipment becomes unsupportive or obsolete.				The EOC is equipped with high level computer technology like visual, sound and communication equipment among others. Reliable, up to date technology will provide safety and security to all internal personnel and community at large to minimize effects of disasters such as tornado, flooding or industrial accidents. Fire, Police or EMS work cooperatively to save lives and infrastructure one of which is through technology advancements. It is essential a replacement plan is established in order to ensure the EOC remains operational and funds are available when equipment needs replacement.																																																																																																																																																																																																																												
Project Comments/Reference				Version Comments																																																																																																																																																																																																																												
Funding replacement plan beyond year 2027 is planned with request for funding of \$50,000 every three years starting in year 2030. Funds are to be placed in a newly established reserve account and used as the need for replacement or upgrade arises.																																																																																																																																																																																																																																
Project Forecast				Project Detailed Forecast																																																																																																																																																																																																																												
				<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Revenue</th> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> <th colspan="12"></th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>0</td> <td>0</td> <td>0</td> <td>5110 Machinery & Equipment - TCA</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> <td>150,000</td> <td>0</td> <td>0</td> <td>50,000</td> <td>0</td> <td>350,000</td> </tr> <tr> <td>2023</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2024</td> <td>0</td> <td>0</td> <td>0</td> <td>Total</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> <td>150,000</td> <td>0</td> <td>0</td> <td>50,000</td> <td>0</td> <td>350,000</td> </tr> <tr> <td>2025</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="12">Revenues</td> </tr> <tr> <td>2026</td> <td>150,000</td> <td>150,000</td> <td>0</td> <td>221 Service Sustainability Investm</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> <td>150,000</td> <td>0</td> <td>0</td> <td>50,000</td> <td>0</td> <td>350,000</td> </tr> <tr> <td>2027</td> <td>150,000</td> <td>150,000</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2028</td> <td>0</td> <td>0</td> <td>0</td> <td>Total</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> <td>150,000</td> <td>0</td> <td>0</td> <td>50,000</td> <td>0</td> <td>350,000</td> </tr> <tr> <td>2029</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="12"></td> </tr> <tr> <td>2030</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td colspan="12"></td> </tr> <tr> <td>2031</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="12"></td> </tr> <tr> <td></td> <td>350,000</td> <td>350,000</td> <td>0</td> <td colspan="12"></td> </tr> </tbody> </table>															Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Year	Total Expense	Net City Cost	Subsidies													2022	0	0	0	5110 Machinery & Equipment - TCA	0	0	0	0	150,000	150,000	0	0	50,000	0	350,000	2023	0	0	0													2024	0	0	0	Total	0	0	0	0	150,000	150,000	0	0	50,000	0	350,000	2025	0	0	0	Revenues												2026	150,000	150,000	0	221 Service Sustainability Investm	0	0	0	0	150,000	150,000	0	0	50,000	0	350,000	2027	150,000	150,000	0													2028	0	0	0	Total	0	0	0	0	150,000	150,000	0	0	50,000	0	350,000	2029	0	0	0													2030	50,000	50,000	0													2031	0	0	0														350,000	350,000	0												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total																																																																																																																																																																																																																	
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2026	150,000	150,000	0	221 Service Sustainability Investm	0	0	0	0	150,000	150,000	0	0	50,000	0	350,000																																																																																																																																																																																																																	
2027	150,000	150,000	0																																																																																																																																																																																																																													
2028	0	0	0	Total	0	0	0	0	150,000	150,000	0	0	50,000	0	350,000																																																																																																																																																																																																																	
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2031	0	0	0																																																																																																																																																																																																																													
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Related Projects																																																																																																																																																																																																																																
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date																																																																																																																																																																																																																							
2020	December 31, 2025	Growth: 0.0 % Maintenance: 0.0 %		Emily Bertram/Fire Chief Stephen Laforet					2030`																																																																																																																																																																																																																							



Project Version Summary

Project #	FRS-002-19	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Operations
Title	Fire & Rescue - Forcible Entry Prop		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Fire & Rescue Training division requires two new forcible entry props. It is used to practice the skill of entering a locked structure in an emergency situation. Training is often brought to different fire hall stations to allow for firefighters' readiness to respond if an emergency call comes in. The new forcible entry prop has the functionality to be taken apart and make it more portable to facilitate training in different locations.				Forcible entry is a perishable skill that requires regular practice. A firefighter whose skills have diminished is at greater risk of suffering an injury due to improper technique and may take more time on scene to gain access into a locked building. The current prop has reached it's useful life and it's old design makes it difficult to move locations. Estimated cost for two props is \$20,000.												
Project Comments/Reference				Version Comments												
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	0	0	0	5111 Machinery & Equipment -Non TCA												
2023	0	0	0		0	0	20,000	0	0	0	0	0	0	0	20,000	
2024	20,000	20,000	0	Total	0	0	20,000	0	0	0	0	0	0	0	20,000	
2025	0	0	0	Revenues												
2026	0	0	0	221 Service Sustainability Investm												
2027	0	0	0		0	0	20,000	0	0	0	0	0	0	0	20,000	
2028	0	0	0	Total	0	0	20,000	0	0	0	0	0	0	0	20,000	
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	20,000	20,000	0													
Historical Approved Budget				Operating Budget Impact												
Related Projects																
Year Identified	Start Date	Project Type for 2022		Project Lead							Est. Completion Date					
2019	July 1, 2024	Growth: 0.0 % Maintenance: 0.0 %		Marty Haidy/Deputy Fire Chief Jamie Waffle							2024`					



Project Version Summary

Project #	FRS-002-20	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Operations
Title	Command Post Vehicle - Bosch MIC Camera replacement		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Mobile Command Post (MCP) is cost shared 50/50 between Windsor Fire & Rescue and Windsor Police Department. The vehicle is highly specialized to provide on scene safety and security for all emergency command staff involved in an emergency situation. The use of the unit varies and can be deployed by either Windsor Fire, Windsor police or jointly. The MCP has been deployed for critical incidents (Police), complex criminal investigations, natural disasters (tornados), multi-agency command and control center for city events, large fires etc.				Mobile Command Post vehicle requires a camera replacement. Current camera is outdated and problematic Pellico video camera that is supported with difficulty by software developer which is creating extended down time when system experiences problems or needs component replacements. The replacement of the old camera is warranted to avoid future extended risk of down time in an event of an emergency. The new camera has many advanced features like the surveillance platform designed to provide early detection in all mission critical applications. It has thermal imaging capabilities, is built for harsh environments, and is most advanced on the market for quality imaging and positioning solutions. The intelligent video analytics on the new camera can trigger an alarm when it detects object in motion even when the camera is moving (eg. this ability will provide intruder less time to "slip by"). Bosch MIC Camera ensures the highest level of security, data transport and encryption. The replacement of the camera would allow for increased reliability, accuracy and delivery of information when responding to uncertain emergency situations.												
Project Comments/Reference				Version Comments												
7221017																
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	60,000	60,000	0	5110	Machinery & Equipment - TCA											
2023	0	0	0		60,000	0	0	0	0	0	0	0	0	0	60,000	
2024	0	0	0		Total	60,000	0	0	0	0	0	0	0	0	60,000	
2025	0	0	0	Revenues												
2026	0	0	0	163	Fire Major Equipment											
2027	0	0	0		30,000	0	0	0	0	0	0	0	0	0	30,000	
2028	0	0	0	183	Police Fleet											
2029	0	0	0		30,000	0	0	0	0	0	0	0	0	0	30,000	
2030	0	0	0		Total	60,000	0	0	0	0	0	0	0	0	60,000	
2031	0	0	0													
		60,000	60,000	0												
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead							Est. Completion Date					
2020	January 31, 2022	Growth: 0.0 % Maintenance: 100.0 %		Brent Paisley/Deputy Fire Chief Jonathan Wilker							2022'					



Project Version Summary

Project #	FRS-002-21	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Operations
Title	Permanent Training Tower		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
Firefighter Stair Tower is a stand alone metal sturdy and rigid structure that provides a safe means to practice real life simulations for physical conditioning of fire specific activities. The stair-training tower also offers a venue that assists firefighters train in hose advancement and hone their skills in realistic environment that are paramount to their ongoing training, education and skills development specific to the job.	Windsor Fire & Rescues current training tower is a steel scaffolding structure purchased "used" from Firefit Canada in 2001. At the time of purchase, the tower was already 7 years old and was being used as a "portable" system, which could be erected from city to city for the Firefighter Combat Challenge competitions. Windsor Fire purchased this and erected it as a permanent structure supported with guide wires to provide both the WFRS Combat Challenge team and the Training Division a means to support and encourage physical conditioning specifically related to the job. The tower is now well past its useful life and requires visual inspections before and during each use, particularly when inclement weather occurs such as strong winds, heavy rain or snow accumulation. It also requires a formal annual inspection and has undergone extensive repairs over the last several years that are required to be performed by a certified provider. Furthermore, the WFRS apparatus division is required to assist with ongoing day-to-day maintenance. Although it is made of solid steal, the landings are constructed of plywood, and maintenance is becoming costly and time consuming. It is recommended that new permanent steel stair-tower is planned in 2028.

Project Comments/Reference	Version Comments
NEW	

Project Forecast		Project Detailed Forecast													
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5110 Machinery & Equipment - TCA							200,000	0	0	0	200,000
2023	0	0	0		0	0	0	0	0	0	200,000	0	0	0	200,000
2024	0	0	0	Total	0	0	0	0	0	0	200,000	0	0	0	200,000
2025	0	0	0	Revenues											
2026	0	0	0	169CF Committed Funding							0	0	0	0	0
2027	0	0	0		0	0	0	0	0	0	0	0	0	0	0
2028	200,000	200,000	0	221 Service Sustainability Investm							200,000	0	0	0	200,000
2029	0	0	0		0	0	0	0	0	0	200,000	0	0	0	200,000
2030	0	0	0	Total	0	0	0	0	0	0	200,000	0	0	0	200,000
2031	0	0	0												
	200,000	200,000	0												

Historical Approved Budget	
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Related Projects	Operating Budget Impact

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2021	January 1, 2028	Growth: 0.0 % Maintenance: 0.0 %	Deputy Fire Chief Jamie Waffle	2028



Project Version Summary

Project #	FRS-002-22	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Operations
Title	Fire & Rescue Master Plan		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Fire master plans review all aspects of the department in order to ensure that performance standards and guidelines reflect evidence/historic data, industry best practices and complies with legislation, in particular, the Fire Protection and Prevention Act, 1997 and its regulations. The goal is to identify and prioritize existing and future requirements of the service, provide recommendations and offer fiscally responsible solutions.				The master plan provides a road map for the fire service to address the needs for the City and its citizens by identifying future opportunities for organization improvements over the coming years. Fire master plans are typically updated every 7-10 years to address current and emerging needs. Last fire master plan was completed in July of 2006, 15 years ago. Fire master plans entail a detailed review of service provision as well as the staff, apparatus, equipment and facilities required to meet present-day and future service needs for the community. It will also provide a model that bridges council's policy setting responsibilities, corporate management objectives, and the fire service's expertise. Fire Management Team (FMT) trusts that updating the fire master plan will deliver a road map to the most effective, efficient and safe fire protection services possible through a long-range plan that provides direction to harmonize all elements.												
Project Comments/Reference				Version Comments												
7221018				Funding source for this project is Reserve Account (1781) Fire-Small Fleet Reserve, which has the capacity for this project.												
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	150,000	150,000	0	2950	Other Prof Services-External											
2023	0	0	0		150,000	0	0	0	0	0	0	0	150,000	0	300,000	
2024	0	0	0		Total	150,000	0	0	0	0	0	0	150,000	0	300,000	
2025	0	0	0	Revenues												
2026	0	0	0	169	Pay As You Go - Capital Reserve											
2027	0	0	0		0	0	0	0	0	0	0	0	150,000	0	150,000	
2028	0	0	0	7058	TRANSFER From Reserve Account											
2029	0	0	0		150,000	0	0	0	0	0	0	0	0	0	150,000	
2030	150,000	150,000	0		Total	150,000	0	0	0	0	0	0	150,000	0	300,000	
2031	0	0	0													
	300,000	300,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead							Est. Completion Date					
2022	December 31, 2021	Growth: 0.0 % Maintenance: 100.0 %		Deputy Chief Jonathan Wilker							2023`					



Project Version Summary

Project #	FRS-003-13	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Operations
Title	New Fire Headquarters - Station #1		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 3, City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>WFRS is recommending the replacement of the existing Station 1/Headquarters facility. The current building was built in 1967 and is in extremely poor condition. The building is in need of substantial repairs which are very costly and only serve as stopgap measures. The new facility would also house the Fire Prevention division which is currently working out of an aging annex building located to the rear of the current headquarters.</p>	<p>Version Description</p> <p>The current headquarters building provides limited access to persons with physical disabilities to the first floor Administration area only. There is zero accessibility to the second floor or any other areas in the building including the fire hall and Emergency Communications Center. The Administrative area of the headquarters building also shares common washroom facilities for males and females and has inadequate office and storage space to meet its needs. Personnel are forced to share workspace with limited storage capability. A central record keeping area does not exist within the facility, which creates difficulty in ensuring records are kept and maintained according to best practices.</p> <p>Due to the age of the building, the energy efficiency is virtually non-existent. Both the building construction and outdated mechanicals contribute to the inefficiency of the structure. It is not uncommon for repairs to the heating and air conditioning system to take days in both administration and the firehall. Due to the aging boiler system, fire crews often go without hot water for extended periods when awaiting repair(s). Flooding is also a concern and is often experienced during major rainfalls compromising expensive and essential communications equipment housed in the basement of the facilities. Repairs after flooding also take days to complete due to aging equipment and the difficulty in finding parts.</p> <p>Relative to the current Fire Prevention building, only the front vestibule can accommodate persons with disabilities. The corridors, door widths, washrooms and offices cannot accommodate a person in a wheel chair. Fire Prevention staff are currently working out of renovated closets with little room for more than a desk and chair. The Fire Prevention annex faces the same challenges with energy efficiency and general disrepair.</p> <p>A new facility will house Administration, Fire Prevention, the Emergency Communications Center (dispatch) and Station 1 Fire Operations. The new facility will provide an accessible, energy efficient facility that meets the current and future needs of Windsor Fire and Rescue Services.</p> <p>Estimated cost based on Construction inflation rate of 2% is \$32,500,000, this amount includes purchase of the land which has yet to be identified.</p>
<p>Project Comments/Reference</p> <p>The funding allocated in the 2022 capital budget is to allow a study in determining options for a new location vs costs to invest in the current one. This will help to get more facts on specific options which will be presented to Council for consideration. 7223001</p>	<p>Version Comments</p>

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	200,000	200,000	0	5410	Construction Contracts - TCA										
2023	0	0	0		200,000	0	0	0	0	1,500,000	0	1,000,000	0	500,000	3,200,000
2024	0	0	0		Total	200,000	0	0	0	1,500,000	0	1,000,000	0	500,000	3,200,000
2025	0	0	0	Revenues											
2026	0	0	0	169	Pay As You Go - Capital Reserve										
2027	1,500,000	1,500,000	0		200,000	0	0	0	0	1,500,000	0	1,000,000	0	500,000	3,200,000
2028	0	0	0	221	Service Sustainability Investm										
2029	1,000,000	1,000,000	0		0	0	0	0	0	0	0	0	0	0	0
2030	0	0	0		Total	200,000	0	0	0	1,500,000	0	1,000,000	0	500,000	3,200,000
2031	500,000	500,000	0												
	3,200,000	3,200,000	0												
Historical Approved Budget															
Related Projects				Operating Budget Impact											
				Effective Date	Description								Exp/(Rev)	FTE Impact	
				Unknown	An increase/decrease to the annual operating budget may be required upon project completion(ie. utilities, maintenance contracts etc.)								0	0	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2013	January 1, 2027	Growth: 100.0 % Maintenance: 0.0 %	Deputy Fire Chief Jamie Waffle/Fire Chief Stephen Laforet	2032`											



Project Version Summary

Project #	FRS-003-19	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Operations
Title	Renovation and Addition to Fire & Rescue Training Facility		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards			
Version Name	Main (Active)		

Project Description	Version Description
<p>Fire & Rescue Training division is requesting funding to upgrade and expand current training facility at 2885 Kew Drive to better meet its operational needs. Training division provides classroom instruction for new firefighter recruits, existing firefighters and other fire staff. Classes include a wide variety of Fire & Rescue specific training (medical, auto x, forcible entry, etc.) Training division also carries out promotional processes such as captain and district chief classes. Teaching tools used today are mainly laptops, audiovisual equipment and hands-on props.</p> <p>The current WFRS training facility does not meet the current training needs of the service and is certainly not capable of absorbing the long-term training demand brought on by the recent regulatory changes. In order to provide staff with an appropriate learning environment, the addition of classroom space that supports new learning technologies such as a computer lab, with large screens and smart technology is essential.</p>	<p>One of the main challenges with the facility is space and set-up. There is one small classroom, which is an open and shared space with Apparatus division. The classroom is not configured to support any new learning technologies. The addition of 2 classrooms will accommodate in -service training and can be run concurrently with specific classes such as recruit, officer, and specialty program training. Current Chief trainer's office does not allow for lesson planning and privacy, which a 2nd classroom could facilitate as well.</p> <p>Current washroom locations adds to the disturbance of the classroom as both male and female washrooms are located directly off the classroom. Neither has the ability to accommodate persons with physical disabilities. A female washroom has recently been converted to include a locker room and shower to accommodate for female recruit(s) for training purposes. This however is a Band-Aid type solution. The male washroom facilities has an old open style shower and does not allow for privacy of staff or recruits sometimes 10-12 personnel at a time. Further needs will be re-assessed and configured into the addition/ renovation of the training space within the building.</p> <p>2885 Kew Drive property is owned by The City of Windsor. An addition is recommended on the land available at the front of the current building. Additional space would establish appropriate classroom size and re-organization of the entire training department to meet today's needs of a teaching classroom.</p>
Project Comments/Reference	Version Comments
<p>Windsor Fire & Rescue Services (WFRS) 2018 - 2023 Strategic plan identified the need to evaluate and enhance current training practices, facilities and equipment. This project plays a critical role in ability to accomplish this task in order to pursue, achieve and maintain accreditation with the CFAI (Commission on Fire Accreditation International) to better serve our community and to embrace excellence.</p>	<p>Delay in funding would deepen the strain on resources in Training and Apparatus divisions as well as pro-long the accreditation process with the CFAI.</p>

Project Forecast				Project Detailed Forecast												
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
		Net City Cost	Subsidies													
2022	0	0	0	Expenses												
2023	0	0	0	5410	Construction Contracts - TCA											
2024	0	0	0		0	0	0	0	0	0	0	0	0	400,000	400,000	
2025	0	0	0	Total	0	0	0	0	0	0	0	0	0	400,000	400,000	
2026	0	0	0	Revenues												
2027	0	0	0	221	Service Sustainability Investm											
2028	0	0	0		0	0	0	0	0	0	0	0	0	400,000	400,000	
2029	0	0	0	Total	0	0	0	0	0	0	0	0	0	400,000	400,000	
2030	0	0	0													
2031	400,000	400,000	0													
400,000		400,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date							
2019	March 1, 2030	Growth: 0.0 % Maintenance: 0.0 %		Deputy Fire Chief Jamie Waffle/Fire Chief Stephen Laforet					2031`							



Project Version Summary

Project #	FRS-003-20	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Operations
Title	Fire & Rescue Washer Extractor		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 9, Ward 10		
Version Name	Main (Active)		

Project Description	Version Description
<p>WFRS requires replacement of a Washer Extractor in two Stations that will reach end of useful life (10 years) in 2027. Washer Extractor is a commercial clothes washing machine that can accommodate heavy duty clothing such as bunker gear.</p> <p>Regular cleaning through the utilization of an extractor washer is part of NFPA 1851 – Standard on Selection Care and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting.</p>	<p>WFRS firefighters clean their own gear regularly and often the gear is cleaned after every fire incident response. This can amount to daily use of a washing extractor to clean bunker gear between all firefighters. The bunker gear is the main tool to protect a firefighter against burns, smoke and consequently against diseases caused by the carcinogen exposure.</p> <p>In addition to WFRS's own cleaning and maintenance of the bunker gear, the gear is also sent to a third party professional cleaning service on an annual basis as per personal protective equipment standards or more often when warranted for repairs due to wear and damage. This service rates the bunker gear effectiveness and makes repairs required to keep the gear at its optimal protection level. This is also a critical step in addressing firefighter health and safety against carcinogenic exposure and WSIB claims of such which continue to rise across the province due to the chemicals contained in new building and furnishing materials.</p> <p>Currently, post fire activities see the fire apparatus attend stations that have a washing extractor. During this process, if the apparatus is not at its home station, the apparatus is out of service, unavailable to attend until the fire fighters either replace their bunker gear with their second set of gear, or utilize the extractor, thereby affecting response until the apparatus personnel have replaced their bunker gear, and are readying the previous set to reused if another exposure incident were to occur.</p>

Project Comments/Reference	Version Comments
NEW	Firefighters cleaning their own gear internally is a more cost effective option to cleaning and maintenance. Therefore, it is important to secure the replacement of Washer Extractors as its useful life reaches the end.

Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	0	0	0	5111	Machinery & Equipment -Non TCA											
2023	0	0	0		0	0	0	0	0	0	25,000	0	0	0	25,000	
2024	0	0	0	Total	0	0	0	0	0	0	25,000	0	0	0	25,000	
2025	0	0	0	Revenues												
2026	0	0	0	221	Service Sustainability Investm											
2027	0	0	0		0	0	0	0	0	0	25,000	0	0	0	25,000	
2028	25,000	25,000	0	Total	0	0	0	0	0	0	25,000	0	0	0	25,000	
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
	25,000	25,000	0													

Historical Approved Budget	
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Related Projects	Operating Budget Impact

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2020	July 1, 2028	Growth: 0.0 % Maintenance: 0.0 %	Dave Hart/Deputy Fire Chief Jamie Waffle	2028



Project Version Summary

Project #	FRS-003-22	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Operations
Title	Decontamination Unit for Personal Protective Equipment (PPE)		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description											
When fighting a fire, protective gear including SCBA, helmets, face pieces, boots and gloves (PPE), become contaminated with soot particles and combusting gases. Some of these particles are cancer-causing chemicals that pose a real threat to health. Decontaminating the protective gear immediately upon return to the station is therefore of outmost importance.				Currently firefighters clean their personal protective equipment by hand which continues to expose a firefighter to contaminants after the fire scene. Cleaning by hand is also time consuming and subjective to a firefighter doing it. WFRS is looking to purchase one decontamination unit which is a machine that cleans the PPE from the smallest harming particles. Every crevice, every surface is cleaned with the same consistency and high level of cleanliness. Decontamination unit uses water temperature, time and chemo-mechanical action to provide exceptional cleaning while also utilizing charcoal filter system that creates the cleanest wash water possible by stopping the contaminants from ever leaving the filter system. With cancer rates on the rise at WFRS, a way to reduce the risks associated with contaminated gear is much desired.											
Project Comments/Reference				Version Comments											
Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5110 Machinery & Equipment - TCA	0	0	0	0	40,000	0	0	0	0	0	40,000
2023	0	0	0												
2024	0	0	0	Total	0	0	0	0	40,000	0	0	0	0	0	40,000
2025	0	0	0	Revenues											
2026	40,000	40,000	0	221 Service Sustainability Investm	0	0	0	0	40,000	0	0	0	0	0	40,000
2027	0	0	0												
2028	0	0	0	Total	0	0	0	0	40,000	0	0	0	0	0	40,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	40,000	40,000	0												
Historical Approved Budget				Operating Budget Impact											
Related Projects															
Year Identified	Start Date	Project Type for 2022		Project Lead					Est. Completion Date						
2022	January 31, 2026	Growth: 0.0 % Maintenance: 0.0 %		Deputy Chief Jamie Waffle					2026`						



Project Version Summary

Project #	FRS-005-07	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Operations
Title	Heavy Hydraulics Replacement-Auto Extrication		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description											
The replacement plan for auto extrication tools and industrial accident heavy hydraulics is directly related to the life-cycle of the equipment. WFRS currently has 4 auto extrication units. In 2020 there were 129 vehicle accidents where people were trapped and these units were potentially utilized. Additionally, firefighters use the equipment regularly for training purposes.				Heavy hydraulic replacement consists of auto cutters, spreaders and rams also known as auto extrication tools. The current equipment is hydraulic based and to be more environmentally conscious WFRS plans to purchase an electronic/battery operated units which are more commonly used in the industry today. Existing equipment is 6 years old today (2021), the useful life is 10-15 years, the replacement is important for continued service delivery.											
Project Comments/Reference				Version Comments											
7121013 closed. NEW															
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Revenue		Expenses											
		Net City Cost	Subsidies	Revenues											
2022	0	0	0	5110	Machinery & Equipment - TCA										
2023	0	0	0		0	0	0	0	250,000	0	0	0	0	0	250,000
2024	0	0	0	Total	0	0	0	0	250,000	0	0	0	0	0	250,000
2025	0	0	0	Revenues											
2026	250,000	250,000	0	221	Service Sustainability Investm										
2027	0	0	0		0	0	0	0	250,000	0	0	0	0	0	250,000
2028	0	0	0	Total	0	0	0	0	250,000	0	0	0	0	0	250,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	250,000	250,000	0												
Historical Approved Budget															
Year	Total Expense	Revenue													
		Net City Cost	Subsidies												
2012	110,000	110,000	0												
2014	115,000	115,000	0												
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											
2007	January 31, 2026	Growth: 0.0 % Maintenance: 0.0 %	Brent Paisley/ Deputy Chief Jonathan Wilker	2026`											



Project Version Summary

Project #	FRS-007-18	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Operations
Title	Thermal Imaging Camera - Fire & Rescue Services		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
A Thermal Imaging Camera or Thermal Imager is a non-contact device that detects infrared energy (heat) and converts it into an electronic signal, which is then processed to produce a thermal image or video on a display screen. The image created is based on the contrast of infrared radiation energy that exists between objects that are of different temperatures. The amount of infrared radiation emitted by an object increases with temperature; as a result, cooler objects appear on the display screen darker than warmer objects. Firefighters use thermal imagers to see through smoke, to find persons, and to locate the base of a fire in environments with or without visible light. Simply put, the thermal imager allows the firefighter to see in the dark making it easier to find trapped persons while at the same time creating a safer environment for the firefighter to work in.	WFRS currently owns 18 Thermal Imagers which are assigned to each fire apparatus as well as the Safety Officer's response vehicle. Thermal imagers are used in hostile environments and are subject to physical conditions which over time can result in damage to the unit despite their robust design. This, along with constantly evolving technology results in the units having to be replaced regularly. At an average cost approaching \$10,000/unit and a life span of 5 years per unit, WFRS is seeking \$50,000 (5 units/year) to begin a regular replacement schedule which would ensure reliable equipment is available on a continuous basis and allow for better control and planning of the replacements.

Project Comments/Reference	Version Comments

Project Forecast	Project Detailed Forecast																																																																																																																																																																																																																																																																															
<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Revenue</th> <th colspan="10"></th> </tr> <tr> <th>Year</th> <th>Total Expense</th> <th>Net City Cost</th> <th>Subsidies</th> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>0</td> <td>0</td> <td>0</td> <td colspan="12">Expenses</td> </tr> <tr> <td>2023</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td>5110</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2024</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2025</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2026</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2027</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2028</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2029</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2030</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2031</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>150,000</td> <td>150,000</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Revenue												Year	Total Expense	Net City Cost	Subsidies	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	2022	0	0	0	Expenses												2023	50,000	50,000	0	5110												2024	0	0	0													2025	0	0	0													2026	0	0	0													2027	0	0	0													2028	50,000	50,000	0													2029	50,000	50,000	0													2030	0	0	0													2031	0	0	0														150,000	150,000	0													<table border="1"> <tbody> <tr> <td>5110</td> <td>Machinery & Equipment - TCA</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> <tr> <td></td> <td>Total</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> <tr> <td colspan="13">Revenues</td> </tr> <tr> <td>221</td> <td>Service Sustainability Investm</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> <tr> <td></td> <td>Total</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>50,000</td> <td>50,000</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> </tbody> </table>	5110	Machinery & Equipment - TCA	0	50,000	0	0	0	0	50,000	50,000	0	0	150,000		Total	0	50,000	0	0	0	0	50,000	50,000	0	0	150,000	Revenues													221	Service Sustainability Investm	0	50,000	0	0	0	0	50,000	50,000	0	0	150,000		Total	0	50,000	0	0	0	0	50,000	50,000	0	0	150,000
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	Total	0	50,000	0	0	0	0	50,000	50,000	0	0	150,000																																																																																																																																																																																																																																																																				
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Historical Approved Budget	
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Related Projects	Operating Budget Impact

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
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2018	December 31, 2022	Growth: 0.0 % Maintenance: 0.0 %	Dave Hart/Deputy Fire Chief Jamie Waffle	2029`
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Project Version Summary

Project #	FRS-001-18	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Support Services
Title	Radio Service Monitor		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Radio Service Monitor is used to diagnose and repair as well as tune 1,500 corporate radio units across entire City of Windsor operations. This includes departments such as parks, public works, environmental services, police and tunnel services. Radio Service Monitor is also used at radio sites to measure interference, de-sense, site noise levels, and many more diagnostics to prevent service issues and determine course of action when service is compromised.				Current Radio Service Monitor was purchased in 1995 and although it still meets our day to day needs, the 22 year old unit has reached it's useful life and cannot be expected to last indefinitely. When a failure of the unit occurs repairs are more difficult due to unavailability and/or long lead time of parts. As a result, replacement will become the best option in the near future to ensure reliability and to meet new technology in the market today. A placeholder for a replacement is warranted and Fire Communications department is recommending \$45,000 be allocated toward this project.												
Project Comments/Reference				Version Comments												
7221015																
Project Forecast				Project Detailed Forecast												
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Year	Total Expense	Net City Cost	Subsidies	Expenses												
2022	45,000	45,000	0	5110	Machinery & Equipment - TCA											
2023	0	0	0		45,000	0	0	0	0	0	0	0	0	0	45,000	
2024	0	0	0		Total	45,000	0	0	0	0	0	0	0	0	45,000	
2025	0	0	0	Revenues												
2026	0	0	0	198	Pay As You Go Corporate Radios Reserve											
2027	0	0	0		45,000	0	0	0	0	0	0	0	0	0	45,000	
2028	0	0	0		Total	45,000	0	0	0	0	0	0	0	0	45,000	
2029	0	0	0													
2030	0	0	0													
2031	0	0	0													
		45,000	45,000	0												
Historical Approved Budget																
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead						Est. Completion Date						
2018	March 1, 2022	Growth: 0.0 % Maintenance: 100.0 %		Mike Menard/Deputy Fire Chief Jonathan Wilker						2022						



Project Version Summary

Project #	FRS-002-07	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Support Services
Title	Fire & Rescue Computer-aided Dispatch System (CRISYS)		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	2020 Version (Active)		

Project Description	Version Description
<p>The current Crisys Computer Aided Dispatch (CAD) system was implemented in 2004. This CAD system is one of the major components of the Windsor Fire Communications as it provides speed and accuracy on processing emergency calls for the City of Windsor. Additional important features include vital information for firefighting and rescue operations such as location and the type of hazardous materials, location of physically challenged citizens, location and size of hydrants, special warnings, fire pre-planning information, etc.</p> <p>The City of Windsor also sells this service to other municipalities to be in a position of dispatching other municipalities.</p>	<p>Crisys recommends complete system replacement every 3 years as computer processor manufacturers are typically doubling the speed of these devices every 18 months. In order to ensure the reliability of the supporting equipment, a full replacement of the system, including workstations that can accommodate the upgraded system, was done in 2010. The 2013 & 2016 upgrade involved computer hardware components only, and the manufacturer indicated that approximately \$50,000 will be required every 3-years going forward.</p>

Project Comments/Reference	Version Comments
(Closed:7101012 / 7131006) / 7161037	

Project Forecast	Project Detailed Forecast																																																																																																																																																		
<table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> <th rowspan="2">Subsidies</th> </tr> <tr> <th>Net City Cost</th> <th></th> </tr> </thead> <tbody> <tr><td>2022</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2023</td><td>50,000</td><td>50,000</td><td>0</td><td>0</td></tr> <tr><td>2024</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2025</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2026</td><td>50,000</td><td>50,000</td><td>0</td><td>0</td></tr> <tr><td>2027</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2028</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2029</td><td>50,000</td><td>50,000</td><td>0</td><td>0</td></tr> <tr><td>2030</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2031</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>Total</td><td>150,000</td><td>150,000</td><td>0</td><td>0</td></tr> </tbody> </table>	Year	Total Expense	Revenue		Subsidies	Net City Cost		2022	0	0	0	0	2023	50,000	50,000	0	0	2024	0	0	0	0	2025	0	0	0	0	2026	50,000	50,000	0	0	2027	0	0	0	0	2028	0	0	0	0	2029	50,000	50,000	0	0	2030	0	0	0	0	2031	0	0	0	0	Total	150,000	150,000	0	0	<table border="1"> <thead> <tr> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="12">Expenses</td> </tr> <tr> <td>5125 Computers - PCs</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> <tr> <td>Total</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> <tr> <td colspan="12">Revenues</td> </tr> <tr> <td>170 Pay As You Go - Leasing Reserve</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> <tr> <td>Total</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>50,000</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> </tbody> </table>	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Expenses												5125 Computers - PCs	0	50,000	0	0	50,000	0	0	50,000	0	0	150,000	Total	0	50,000	0	0	50,000	0	0	50,000	0	0	150,000	Revenues												170 Pay As You Go - Leasing Reserve	0	50,000	0	0	50,000	0	0	50,000	0	0	150,000	Total	0	50,000	0	0	50,000	0	0	50,000	0	0	150,000
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2020	50,000	50,000	0																				

Related Projects		Operating Budget Impact			
Precedes	Project Title	Effective Date	Description	Exp/(Rev)	FTE Impact
ITC-001-12	Fire and Rescue Records Management and Computer Aided Dispatch System Initiatives	Unknown	No operating budget impact.	0	0
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date	
2007	January 1, 2023	Growth: 0.0 % Maintenance: 0.0 %	Mike Menard/Deputy Fire Chief Jonathan Wilker	Ongoing - every 3 years`	



Project Version Summary

Project #	FRS-002-18	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Support Services
Title	Breathing Air-Compressor Replacement		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

<p>Project Description</p> <p>Quality breathing air maintained to CSA standards is essential for the safety of firefighters. Self-contained breathing apparatus (SCBA) is the primary piece of personal protection equipment (PPE) used for firefighting, allowing firefighters to enter hazardous atmospheres by supplying fresh clean air in a contained system. This piece of equipment is useless without being fully charged with breathing air of the highest standards.</p> <p>A breathing air compressor filters contaminants, monitors for other gases such as CO and regulates the humidity of outside air before compressing it into the SCBA cylinder. SCBA cylinders are filled to a pressure of 4500 p.s.i., because of this the compressor filling station is designed with a fragmentation compartment to safely contain flying debris should a cylinder rupture during the filling process.</p>	<p>Version Description</p> <p>The current breathing air compressor was installed new in 1988. With regular maintenance the current compressor has operated well for 30 years with a few substantial repairs. The breathing air cooler and forth stage piston have been replaced several times. The condensate collector cylinder has also been replaced due to age. Assorted other minor repairs including countless panel valve replacements and other mechanical repairs to the fill station have been performed, these repairs are required more frequently as time passes. As repairs are more frequent, operations are affected. This causes the Emergency Service vehicle (ESU) to make a daily run to fill the mass breathing air storage system on the aerial apparatus, taking the ESU out of service during that time.</p>																																																																																																																																																														
<p>Project Comments/Reference</p> <p>Without this breathing air compressor the ability to manage a major conflagration would be deeply compromised. A consistent supply a breathing air is the only way to ensure that firefighting is not interrupted and that WFRS personnel are continually protected during operations. WFRS maintains 2 Breathing air compressors, one mobile and one stationary to ensure redundancy, operational capacity during repair and maintenance periods and to ensure the demand for breathing air is met during large scale or concurrent fires. This project is the replacement of the stationary compressor.</p>	<p>Version Comments</p> <p>Windsor Fire & Rescue is recommending the replacement be no later than 2022. The availability of reliable breathing air is not only essential to firefighting operations but also to the business stream of the Apparatus Division which repairs and maintains all of the SCBA units for WFRS and some county fire services. Additionally, other City departments that use SCBA such as Windsor Police, the water treatment facilities and Enwin rely on the compressor to ensure their SCBA cylinders are charged with air that meets the CSA breathing air standard.</p>																																																																																																																																																														
<p>Project Forecast</p> <table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Total Expense</th> <th colspan="2">Revenue</th> </tr> <tr> <th>Net City Cost</th> <th>Subsidies</th> </tr> </thead> <tbody> <tr><td>2022</td><td>150,000</td><td>150,000</td><td>0</td></tr> <tr><td>2023</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2024</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2025</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2026</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2027</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2028</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2029</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2030</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>2031</td><td>0</td><td>0</td><td>0</td></tr> <tr> <td></td> <td>150,000</td> <td>150,000</td> <td>0</td> </tr> </tbody> </table>	Year	Total Expense	Revenue		Net City Cost	Subsidies	2022	150,000	150,000	0	2023	0	0	0	2024	0	0	0	2025	0	0	0	2026	0	0	0	2027	0	0	0	2028	0	0	0	2029	0	0	0	2030	0	0	0	2031	0	0	0		150,000	150,000	0	<p>Project Detailed Forecast</p> <table border="1"> <thead> <tr> <th>GL Account</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th> <th>2026</th> <th>2027</th> <th>2028</th> <th>2029</th> <th>2030</th> <th>2031</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td colspan="12">Expenses</td> </tr> <tr> <td>5110 Machinery & Equipment - TCA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>150,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> <tr> <td>Total</td> <td>150,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> <tr> <td colspan="12">Revenues</td> </tr> <tr> <td>221 Service Sustainability Investm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>150,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> <tr> <td>Total</td> <td>150,000</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>150,000</td> </tr> </tbody> </table>	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	Expenses												5110 Machinery & Equipment - TCA													150,000	0	0	0	0	0	0	0	0	0	150,000	Total	150,000	0	0	0	0	0	0	0	0	0	150,000	Revenues												221 Service Sustainability Investm													150,000	0	0	0	0	0	0	0	0	0	150,000	Total	150,000	0	0	0	0	0	0	0	0	0	150,000
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<p>Historical Approved Budget</p>																																																																																																																																																															

Related Projects			Operating Budget Impact	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2018	July 1, 2022	Growth: 0.0 % Maintenance: 100.0 %	Brent Paisley/Deputy Fire Chief Jonathan Wilker	2022



Project Version Summary

Project #	FRS-003-16	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Support Services
Title	Fire Education Materials, Displays & Equipment		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
The Fire Protection and Prevention Act requires all fire services in Ontario to provide fire safety education. Funds allocated are for maintenance and replacement of public education display materials and equipment to support the increasing number of public education-related activities undertaken by the Windsor Fire & Rescue Fire Services' Fire Prevention and Emergency Management Divisions.				Windsor Fire and Rescue Services is aware of the expectation to promote the City of Windsor in a competent and professional manner. To limit materials being utilized for Fire Prevention public education that are over 10 years old, worn, inoperable or unprofessional in appearance, a regular replacement schedule is recommended. Further, the single set of Fire Prevention materials is insufficient to meet the current needs of Windsor Fire & Rescue as there are often two events occurring simultaneously and regular funding can allow for proper planning to adjust to changing needs. Regular replacement and update of displays, materials and equipment reflect the corporate standard and Fire & Rescue's responsibility to educate and prevent emergency incidents. A replacement/update schedule every 5 years is sufficient for ongoing funding of the program.												
Project Comments/Reference				Version Comments												
7161038																
Project Forecast				Project Detailed Forecast												
		Revenue														
Year	Total Expense	Net City Cost	Subsidies	GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
				Expenses												
2022	0	0	0	2360	Promotional Material & Product											
2023	0	0	0		0	0	0	20,000	0	0	0	0	20,000	0	40,000	
2024	0	0	0		Total	0	0	0	20,000	0	0	0	20,000	0	40,000	
				Revenues												
2025	20,000	20,000	0	221	Service Sustainability Investm											
2026	0	0	0		0	0	0	20,000	0	0	0	0	20,000	0	40,000	
2027	0	0	0		Total	0	0	0	20,000	0	0	0	20,000	0	40,000	
2028	0	0	0													
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2030	20,000	20,000	0													
2031	0	0	0													
	40,000	40,000	0													
Historical Approved Budget																
		Revenue														
Year	Total Expense	Net City Cost	Subsidies													
2016	20,000	20,000	0													
2020	20,000	20,000	0													
Related Projects				Operating Budget Impact												
				Effective Date	Description										Exp/(Rev)	FTE Impact
				Unknown	No operating budget impact.										0	0
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												

2016	January 1, 2025	Growth: 0.0 % Maintenance: 0.0 %	John Lee/Deputy Chief Jonathan Wilker	Ongoing - every 5 years`
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Project Version Summary

Project #	FRS-004-07	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Support Services
Title	Firefighter Self-Contained Breathing Apparatus (SCBA) Replacement		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description												
Self Contained Breathing Apparatus (SCBA) is the most important equipment in protecting the health and safety of firefighters, providing the firefighter with the ability to breathe and communicate while working in hazardous environments such as structure fires, vehicle fires and hazardous materials incidents.				Current SCBA equipment was purchased in 2016 and typically requires replacement approximately every 12 to 15 years. Replacement of the equipment may be required in year 2028. Fire & Rescue is performing regular maintenance and software upgrades to the SCBA equipment to allow for longer usage and decreased maintenance cost in years nearing end of life. Therefore, funding in 2029 is a placeholder for planning purposes and will be revised to best meet replacement time vs. maintenance cost. Dedicated funding source allows for this flexibility.												
Project Comments/Reference				Version Comments												
(Closed: 7071069/7111033/7121012) NEW 2016 Operating Budget Council approved establishment of Self-Contained Breathing Apparatus (SCBA) Reserve (Acc.1794) with an annual contribution of \$100,000 towards the future replacement.																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies													
2022	0	0	0	5110 Machinery & Equipment - TCA												
2023	0	0	0	0 0 0 0 0 0 0 1,400,000 0 0 1,400,000												
2024	0	0	0	Total 0 0 0 0 0 0 0 1,400,000 0 0 1,400,000												
2025	0	0	0	Revenues												
2026	0	0	0	7058 TRANSFER From Reserve Account												
2027	0	0	0	0 0 0 0 0 0 0 1,400,000 0 0 1,400,000												
2028	0	0	0	Total 0 0 0 0 0 0 0 1,400,000 0 0 1,400,000												
2029	1,400,000	1,400,000	0													
2030	0	0	0													
2031	0	0	0													
	1,400,000	1,400,000	0													
Historical Approved Budget																
				Year	Total Expense	Net City Cost	Subsidies									
				2007	220,000	220,000	0									
				2011	20,000	20,000	0									
				2012	600,000	600,000	0									
				2016	200,000	200,000	0									
				2018	300,000	300,000	0									

Related Projects		Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2007	January 1, 2029	Growth: 0.0 % Maintenance: 0.0 %	Deputy Fire Chief Jamie Waffle	2030`



Project Version Summary

Project #	FRS-004-18	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Support Services
Title	Posichek Machine (SCBA tester)		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description				Version Description											
A piece of apparatus that allows respirators to be flow tested annually and after repairs as per manufacture specifications and recommendations. The Posichek is approximately 19 years old with life expectancy of 20 years. This machine tests and documents airflows and system pressures, while checking for leaks, restrictions, and activation pressures. The new breathing apparatus with communications between the SCBA's control module and the heads up display in the mask requires testing and documentation of this function, this is performed by this machine. All other functions of the SCBA like alarm setting and activations are inspected and tested and documented also. The Posichek machine undergoes annual certification as required by the manufacturer and NFPA.				All WFRS Emergency Equipment Technicians are certified to repair and maintain SCBA equipment, the Posichek Machine is need by them to complete their tasks. If the machine fails pro-longed service interruptions can be expected, SCBAs would have to be taken out of service or shipped to a factory repair facility like Toronto or Pittsburgh. The shipping time for SCBAs being repaired would dramatically increase the out of service time for the apparatus. Windsor Fire & Rescue Services has a limited quantity of breathing apparatus, a loss of even 2 to 3 units at certain times of the year could cause significant operational issues. Any repair affecting the integrity of the SCBAs requires a full system flow test before the unit can be placed back in-service. These repairs although minor are frequent requiring a flow test on the machine to place these units back in service. A simple O-ring replacement can be done in-house in little more than an hour including testing, this same repair when requiring shipping could take up to a week and incur shipping charges making it a very costly task. It is becoming more difficult to maintain the machine due to outdated circuit boards and software as electronics have changed significantly over the years, just like a computer after three or four upgrades, further advancements will not be advisable.											
Project Comments/Reference				Version Comments											
7221019				Timely replacement of the Posichek machine would avoid a long interruption of repair services for breathing apparatus. A reliable SCBA testing machine designed to test the new generations of SCBAs ensures the continued and uninterrupted supply of certified respirators necessary for firefighting.											
Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Revenue	Subsidies	Expenses											
		Net City Cost		5110	Machinery & Equipment - TCA										
2022	25,000	25,000	0		25,000	0	0	0	0	0	0	0	0	0	25,000
2023	0	0	0												
2024	0	0	0												
2025	0	0	0												
2026	0	0	0												
2027	0	0	0												
2028	0	0	0												
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	25,000	25,000	0		Total	25,000	0	0	0	0	0	0	0	0	25,000
				Revenues											
				221	Service Sustainability Investm										
					25,000	0	0	0	0	0	0	0	0	0	25,000
					Total	25,000	0	0	0	0	0	0	0	0	25,000
Historical Approved Budget															
Related Projects				Operating Budget Impact											
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date											

2018	July 1, 2022	Growth: 0.0 % Maintenance: 100.0 %	Brent Paisley/Deputy Fire Chief Jonathan Wilker	2022
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Project Version Summary

Project #	FRS-004-19	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Support Services
Title	WFRS - Next Gen 911 Telecommunications Rehabilitation Program		
Budget Status	Council Approved Budget		
Major Category	Corporate Technology		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
Effective communications is the most critical aspect of public safety. This consists of communications with the public, communications with the firefighters, Windsor Fire and Rescue staff and other emergency services. Emergency communications is about to enter a significant and sustained period of transformation which will be legislated in year 2025. This will include a move to Next Generation 911 (NG911) and the implementation of the North American public safety broadband spectrum. Replacement of the aging telephone system at WFRS headquarters will be required in order to accommodate the new technology.	Telecommunication upgrade involves receiving the information in many forms like text messages, pictures, video, and telematics that will be sent directly to 911 from a variety of devices. Fire & Rescue's communication ability will require technological upgrades or replacements to all equipment, hardware, software, and workstations. Fully functioning back up site, compliant with Next Generation 911, is also included in this project should the functionality be lost at the primary site. The funding allocated is believed to be sufficient but as this initiative progresses more details will become available and management will advise and report on any changes or new information that have the potential to affect the cost or operations related to this project. This project is in conjunction with Police's capital project POL-004-19. The two projects will be jointly executed and funding from both projects is required. All funding will be transferred to 7197005.

Project Comments/Reference	Version Comments
7197005/7227000	

Project Forecast				Project Detailed Forecast											
Year	Total Expense	Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
		Net City Cost	Subsidies	Expenses											
2022	0	0	0	5110 Machinery & Equipment - TCA											
2023	0	0	0		0	0	300,000	1,600,000	0	0	0	0	0	0	1,900,000
2024	300,000	300,000	0	Total	0	0	300,000	1,600,000	0	0	0	0	0	0	1,900,000
2025	1,600,000	1,600,000	0	Revenues											
2026	0	0	0	169 Pay As You Go - Capital Reserve											
2027	0	0	0		0	0	0	500,000	0	0	0	0	0	0	500,000
2028	0	0	0	221 Service Sustainability Investm											
2029	0	0	0		0	0	300,000	1,100,000	0	0	0	0	0	0	1,400,000
2030	0	0	0	Total	0	0	300,000	1,600,000	0	0	0	0	0	0	1,900,000
2031	0	0	0												
	1,900,000	1,900,000	0												

Historical Approved Budget			
Year	Total Expense	Revenue	
		Net City Cost	Subsidies
2020	125,000	125,000	0
2021	225,000	225,000	0

Related Projects		Operating Budget Impact		
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2019	January 31, 2021	Growth: 0.0 % Maintenance: 0.0 %	Mike Menard/Deputy Fire Chief Jonathan Wilker	2025`



Project Version Summary

Project #	FRS-004-22	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Support Services
Title	Fire & Rescue Emergency Vehicle Pre-emption (EVP)		
Budget Status	Council Approved Budget		
Major Category	Transportation		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
The traffic pre-emption technology (Opticom) currently used by Windsor Fire and Rescue is antiquated and the associated equipment requires extensive adjustment and maintenance. Emergency Vehicle Pre-emption (EVP) technology will allow for the control of all traffic signals throughout the city through connections via the KITS Advance Traffic Management System and utilizes existing GPS technology to identify vehicle locations and vehicle speed. Installation of this technology has the potential to reduce response times by as much as 30 seconds on short distance responses and as much as one minute on longer distance responses. This technology could put responders on scene sooner and in greater numbers, and will support the corporate vision of employee safety and public safety.	This technology would be a cost aversion strategy as the need for additional infrastructure - and thereby capital dollars - may be reduced as the reach of existing fire services is extended. The KITS Emergency Vehicle Pre-emption (EVP) module will work in conjunction with the KITS Transit Signal Priority (TSP), currently being considered by Windsor Transit. Further, this system - once operational - could be expanded to include other agencies such as Police and EMS, all of which could leverage this investment. Total projected modules for the .Emergency Vehicle Pre-emption (EVP) system include: - Controllers & Communications Network - KITS System Development and Integration Costs - Utilizes GPS equipment currently installed on Fire Apparatus

Project Comments/Reference	Version Comments

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5110 Machinery & Equipment - TCA											
2023	0	0	0		0	0	0	600,000	0	0	0	0	0	0	600,000
2024	0	0	0	Total	0	0	0	600,000	0	0	0	0	0	0	600,000
2025	600,000	600,000	0	Revenues											
2026	0	0	0	221 Service Sustainability Investm											
2027	0	0	0		0	0	0	600,000	0	0	0	0	0	0	600,000
2028	0	0	0	Total	0	0	0	600,000	0	0	0	0	0	0	600,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	600,000	600,000	0												

Historical Approved Budget	
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Related Projects	Operating Budget Impact								
	<table border="1"> <thead> <tr> <th>Effective Date</th> <th>Description</th> <th>Exp/(Rev)</th> <th>FTE Impact</th> </tr> </thead> <tbody> <tr> <td>2022-01-01</td> <td>Annual subscription to Kimley Horn Traction Gold is required for the City in the amount of \$36,000. Traffic Operations is currently using this service and Transit Windsor is considering Traffic Signal Priority (TSP) KITS. If Transit approves the KITS the cost of the annual subscription would be \$12,000 per department and therefore, operating budget impact for Fire & Rescue would be \$12,000. Alternatively, it may be 50% cost share with Traffic Operations only at \$18,000</td> <td>18,000</td> <td>0</td> </tr> </tbody> </table>	Effective Date	Description	Exp/(Rev)	FTE Impact	2022-01-01	Annual subscription to Kimley Horn Traction Gold is required for the City in the amount of \$36,000. Traffic Operations is currently using this service and Transit Windsor is considering Traffic Signal Priority (TSP) KITS. If Transit approves the KITS the cost of the annual subscription would be \$12,000 per department and therefore, operating budget impact for Fire & Rescue would be \$12,000. Alternatively, it may be 50% cost share with Traffic Operations only at \$18,000	18,000	0
Effective Date	Description	Exp/(Rev)	FTE Impact						
2022-01-01	Annual subscription to Kimley Horn Traction Gold is required for the City in the amount of \$36,000. Traffic Operations is currently using this service and Transit Windsor is considering Traffic Signal Priority (TSP) KITS. If Transit approves the KITS the cost of the annual subscription would be \$12,000 per department and therefore, operating budget impact for Fire & Rescue would be \$12,000. Alternatively, it may be 50% cost share with Traffic Operations only at \$18,000	18,000	0						

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2015	January 31, 2025	Growth: 0.0 % Maintenance: 0.0 %	Fire Chief Stephen Laforet / Deputy Fire Chief Jonathan Wilker	2026`



Project Version Summary

Project #	FRS-005-18	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Support Services
Title	Shop Air-Compressor		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
The Fire & Rescue Apparatus Division provides maintenance and repair services to its entire fleet and to all of its small equipment including breathing apparatus and auto extrication tools. The maintenance of the equipment becomes increasingly more reliant on air powered tools. A consistent supply of compressed air is required to operate these tools in the process of inspections and repairs. The functions these tools provide cannot be practically done in any other matter as manually operated or electric tools cannot provide the torque that air tools deliver.	The Shop Air-Compressor is approximately 17 years old with life expectancy of 20 years. This equipment is essential in daily operations of any shop today. It is used to power all air tools like air impact guns, air chisels, shop fluid dispensing system and an assortment of smaller tools essential to the operation of the Apparatus Division. The shop air is even necessary to operate the large truck hoist.

Project Comments/Reference	Version Comments
	Timely replacement of the Shop air compressor allows for the continuing operation of the apparatus division. All mechanical equipment has a finite lifespan. Extending this unit passed 20 years is not recommended as cost involved for unplanned interruption in service is not economical. New screw compressors are a quieter running unit much closer to the 80 dB range as required by the city standard and much more efficient than the old piston style which is currently in service.

Project Forecast				Project Detailed Forecast											
		Revenue		GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Year	Total Expense	Net City Cost	Subsidies	Expenses											
2022	0	0	0	5110 Machinery & Equipment - TCA											
2023	0	0	0		0	0	25,000	0	0	0	0	0	0	0	25,000
2024	25,000	25,000	0	Total	0	0	25,000	0	0	0	0	0	0	0	25,000
2025	0	0	0	Revenues											
2026	0	0	0	221 Service Sustainability Investm											
2027	0	0	0		0	0	25,000	0	0	0	0	0	0	0	25,000
2028	0	0	0	Total	0	0	25,000	0	0	0	0	0	0	0	25,000
2029	0	0	0												
2030	0	0	0												
2031	0	0	0												
	25,000	25,000	0												

Historical Approved Budget				Operating Budget Impact			
Related Projects							

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2018	July 1, 2024	Growth: 0.0 % Maintenance: 0.0 %	Brent Paisley/Deputy Fire Chief Jonathan Wilker	2024



Project Version Summary

Project #	FRS-006-18	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Fire & Rescue
Asset Type	Unassigned	Division	Fire Support Services
Title	Hoist Replacement		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	Main (Active)		

Project Description	Version Description
Fire & Rescue Apparatus Division is requesting funding to replace heavy hydraulic hoist capable of lifting large fire vehicles. Currently, Apparatus division operates with two heavy hydraulic hoists one of which allows for lifting capacity of 80,000 lbs. The second hoist, requiring replacement, is a smaller hoist that has total lifting capacity of 50,000 lbs. This one was originally installed in 1974 and is past its useful life. This smaller hoist is normally used for fire truck vehicles such as pumpers and rescue's but also for special operation vehicles such as hazmat and command units.	The maintenance of this hoist has become extensive and is reaching the point of being non-serviceable due to cylinder scoring and pitting. Rusting of certain panels has made it necessary to cut them out to allow the hoists post to move up and down. Parts are not readily available or have been discontinued requiring fabrication and extra costs to repair. This is creating gaps in service when the hoist is down until parts are found or made. The current aging hoist is no longer compatible with the fleet; the head section which makes contact with the underside of the vehicle is not adjustable making the safe lifting of some of WFRS' units impossible. The new hoist today has many added functionalities. For example, a new hoist has multi safety locking elevations creating a more ergonomic friendly position for the mechanic, while the old hoist has one safety lock at its fully extended position.

Project Comments/Reference	Version Comments
	Timely replacement of the hoist would facilitate safer and quicker lifting of our units for maintenance and inspection. As stated earlier, this hoist is very quickly becoming unserviceable.

Project Forecast				Project Detailed Forecast											
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
Revenue				Expenses											
Year	Total Expense	Net City Cost	Subsidies												
2022	0	0	0	5110 Machinery & Equipment - TCA											
2023	0	0	0		0	0	0	0	0	240,000	60,000	0	0	300,000	
2024	0	0	0	Total	0	0	0	0	0	240,000	60,000	0	0	300,000	
2025	0	0	0	Revenues											
2026	0	0	0	221 Service Sustainability Investm											
2027	0	0	0		0	0	0	0	0	240,000	60,000	0	0	300,000	
2028	240,000	240,000	0	Total	0	0	0	0	0	240,000	60,000	0	0	300,000	
2029	60,000	60,000	0												
2030	0	0	0												
2031	0	0	0												
	300,000	300,000	0												

Historical Approved Budget	
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Related Projects	Operating Budget Impact

Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date
2018	July 1, 2028	Growth: 0.0 % Maintenance: 0.0 %	Brent Paisley/Deputy Fire Chief Jonathan Wilker	2029`



Project Version Summary

Project #	LGL-001-22	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Legal Services
Asset Type	Unassigned	Division	Legal Services & Real Estate
Title	Confidential Legal Matter (In-Camera)		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards			
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																														
Project Comments/Reference 7221036				Version Comments																																																																																																																																																																																														
Project Forecast				Project Detailed Forecast																																																																																																																																																																																														
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Total	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	15,000,000																																																																																																																																																																																							
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Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date																																																																																																																																																																																														
2022		Growth: 100.0 % Maintenance: 0.0 %																																																																																																																																																																																																



Project Version Summary

Project #	LGL-002-16	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Legal Services
Asset Type	Unassigned	Division	Legal Services & Real Estate
Title	Environmentally Significant Lands Acquisition Placeholder		
Budget Status	Council Approved Budget		
Major Category	Community & Economic Development		
Wards	Ward 1		
Version Name	Main (Active)		

Project Description				Version Description												
In accordance with B68-2015, Council approved the "Proposed 2016 Enhanced Capital Budget" in the form of placeholder allocations in the budget with reports to BE PREPARED for Council's consideration.																
Project Comments/Reference				Version Comments												
7182016																
Project Forecast				Project Detailed Forecast												
		Revenue														
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>	<u>GL Account</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>Total</u>	
				Expenses												
2022	0	0	0	5210	Land Acquisition											
2023	0	0	0		0	0	0	0	0	0	1,500,000	0	0	0	1,500,000	
2024	0	0	0		Total											0
2025	0	0	0		0	0	0	0	0	0	1,500,000	0	0	0	1,500,000	
2026	0	0	0	Revenues												
2027	0	0	0	169	Pay As You Go - Capital Reserve											
2028	1,500,000	1,500,000	0		0	0	0	0	0	0	1,500,000	0	0	0	1,500,000	
2029	0	0	0		Total											0
2030	0	0	0		0	0	0	0	0	0	1,500,000	0	0	0	1,500,000	
2031	0	0	0		0	0	0	0	0	0	1,500,000	0	0	0	1,500,000	
	1,500,000	1,500,000	0													
Historical Approved Budget																
		Revenue														
<u>Year</u>	<u>Total Expense</u>	<u>Net City Cost</u>	<u>Subsidies</u>													
2020	1,500,000	1,500,000	0													
Related Projects				Operating Budget Impact												
Year Identified	Start Date	Project Type for 2022		Project Lead						Est. Completion Date						
2016		Growth: 0.0 % Maintenance: 0.0 %		Frank Scarfone						Unknown`						



Project Version Summary

Project #	LGL-002-17	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Legal Services
Asset Type	Unassigned	Division	Legal Services & Real Estate
Title	Demolition of Transitional Buildings		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	City Wide		
Version Name	2017 (Active)		

Project Description				Version Description												
Part of the Transitional Buildings portfolio includes properties that have been vested to the City that had not sold at the various property tax sales. Some of these properties are unfit to occupy or in such a poor state that the cost to repair would exceed the market value of the property as improved.				The Real Estate Division will be bringing forward reports for the demolition of various transitional properties currently under the Transitional Buildings portfolio. These include properties that were vested to the City prior to 2017 that need to be demolished. The Real Estate Division requests placeholder funding of \$100,000 for 2031. Carrying properties in poor condition for a prolonged period has reputation risks for the City. These properties also require maintenance and security. Administration may propose to fund this project with some of the demolition costs from the eventual sale of these properties. However, the amount of sale proceeds are unclear given the prolonged time frame of their demolition.												
Project Comments/Reference				Version Comments												
7222001																
Project Forecast				Project Detailed Forecast												
				GL Account	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total	
Revenue				Expenses												
Year	Total Expense	Net City Cost	Subsidies	5410	Construction Contracts - TCA											
2022	60,000	60,000	0		60,000	0	100,000	100,000	0	0	100,000	100,000	100,000	100,000	660,000	
2023	0	0	0													
2024	100,000	100,000	0		Total	60,000	0	100,000	100,000	0	0	100,000	100,000	100,000	660,000	
2025	100,000	100,000	0	Revenues												
2026	0	0	0	221	Service Sustainability Investm											
2027	0	0	0		60,000	0	100,000	100,000	0	0	100,000	100,000	100,000	100,000	660,000	
2028	100,000	100,000	0		Total	60,000	0	100,000	100,000	0	0	100,000	100,000	100,000	660,000	
2029	100,000	100,000	0													
2030	100,000	100,000	0													
2031	100,000	100,000	0													
	660,000	660,000	0													
Historical Approved Budget																
Related Projects				Operating Budget Impact												
				Effective Date	Description									Exp/(Rev)	FTE Impact	
				Unknown	No Operating Budget Impact									0	0	
Year Identified	Start Date	Project Type for 2022	Project Lead	Est. Completion Date												
2017	January 1, 2024	Growth: 0.0 % Maintenance: 100.0 %	Frank Scarfone	December 31, 2024`												



Project Version Summary

Project #	LGL-001-20	Service Area	Legal & Legislative Services
Budget Year	2022	Department	Legal Services
Asset Type	Unassigned	Division	POA, Purchasing & Risk Management
Title	Provincial Offences Division Renovations 350 City Hall		
Budget Status	Council Approved Budget		
Major Category	Corporate Property Infrastructure		
Wards	Ward 3		
Version Name	Main (Active)		

Project Description				Version Description																																																																																																																																																																																																																																												
The Provincial Offences Division requires renovations to 350 City Hall should Council decide they are to operate there. Since the Westcourt Building Fire in November 2019, POA was forced to relocate operations to 350 in order to provide a service level to the public. However, renovations to 350 are needed for POA to maintain service levels on a permanent basis.				<p>\$3,734,000 is the Base Cost for the detailed design and construction of the building renovations at the 350 / 400 City Hall Square Campus to accommodate the Permanent Relocation of the Provincial Offences Program</p> <p>Base Cost, inclusive of financing costs, will be recovered over the next approximate 12 years through the transfer of annual operational funding in the amount of at least \$316,000 from POA's lease budget which is no longer required for the Westcourt location.</p> <p>Opened per Sept. 28 In-Camera Report a CR # of CR483/2020.</p>																																																																																																																																																																																																																																												
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