

**Essex-Windsor
Solid Waste Authority**

**2023 OPERATIONAL PLAN
AND
BUDGET**



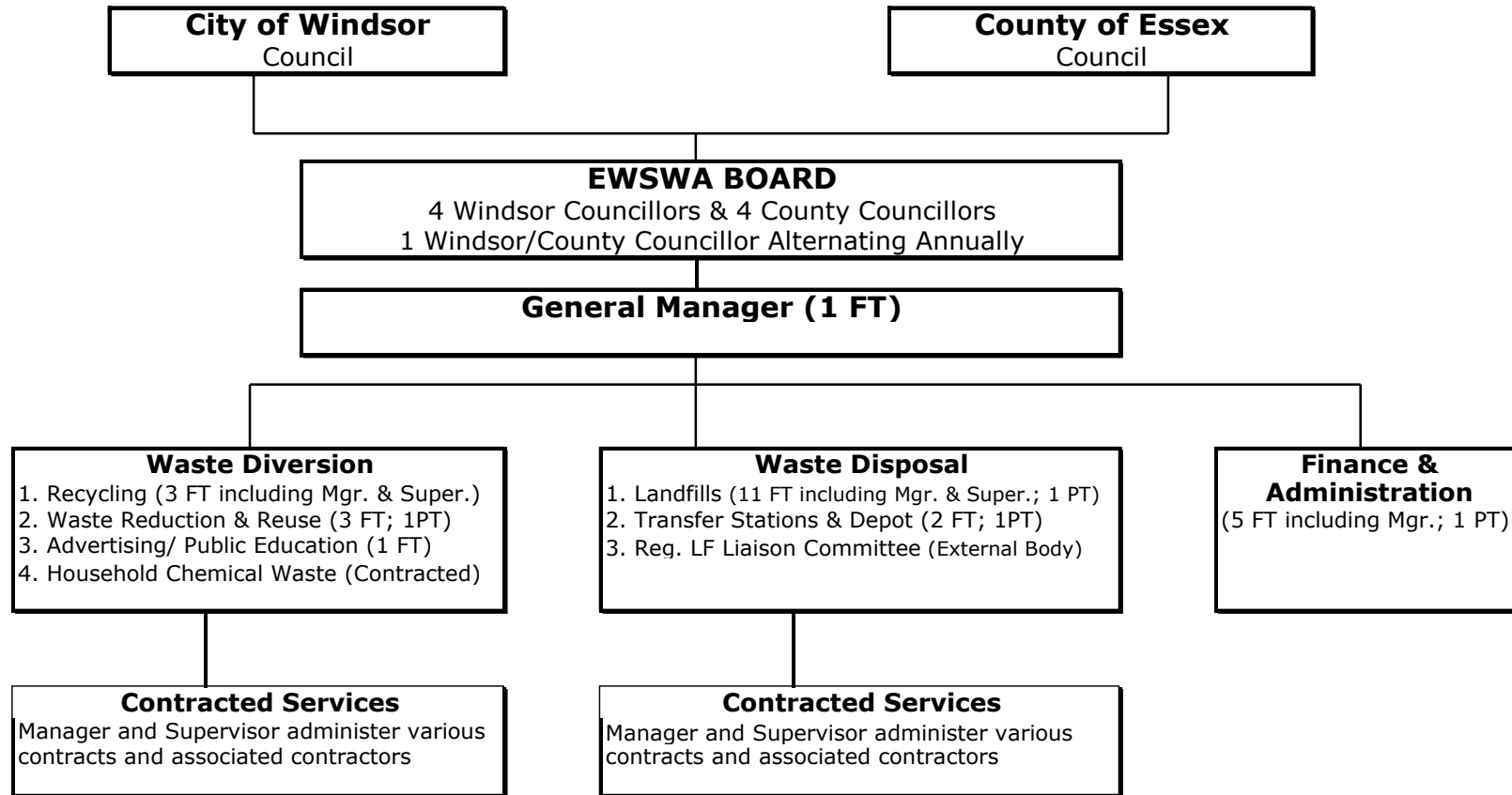
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Essex-Windsor Solid Waste Authority 2023 Budget Table of Contents

Essex-Windsor Solid Waste Authority Structure	1
Essex-Windsor Solid Waste Authority Background	2
Mission Statement and Strategic Plan.....	3
1. Operating Budget Summary Table (Including Perpetual Care)	4 - 5
2. Revenue Summary Table	6 - 7
3. Tipping Fee Revenue Schedule	8
4. Schedule of Reserves	9 - 13
5. Sources of Revenue Schedule.....	14
6. Administration	
• Committee Expenses.....	15 - 17
• Administration.....	18 - 21
• Realty	22 - 24
7. 3Rs Programs	
• Recycling.....	25 - 31
• Municipal Hazardous or Special Waste Program.....	32 - 35
• Waste Reduction/Reuse	36 - 40
• Advertising/Public Education	41 - 43
8. Landfill Operations	
• Regional Landfill Site.....	44 - 50
9. Transfer Station and Waste Depot Operations	
• Transfer Station 1 (Windsor)	51 - 54
• Transfer Station 2 and Public Drop Off Depot (Kingsville)	55 - 57
• Essex-Windsor Public Drop-Off Depot (Windsor).....	58 - 60
10. Regional Landfill - Other	
• Regional Landfill - Other	61 - 65
11. Perpetual Care	
• Landfill No. 2 – Perpetual Care	66 - 69
• Landfill No. 3 – Perpetual Care	70 - 74
12. Schedule of Fees.....	75 - 76

The Essex - Windsor Solid Waste Authority



Total: 26 Full-time and 4 Part-time employees directly employed by the EWSWA

EWSWA History

The Essex-Windsor Solid Waste Authority (EWSWA) is a Board of Management that was created by the County of Essex and the City of Windsor through an agreement signed in May 1994. Political appointees from the municipal Councils of the City of Windsor and the County of Essex govern the Board. The Board's administrative offices are located in the Essex County Civic & Education Centre in the Town of Essex.

EWSWA's mandate is to provide programs and facilities to manage the solid, non-hazardous waste generated within the geographic boundary of Essex County. The Authority is directed in this mandate by the Essex-Windsor Solid Waste Management Master Plan that was adopted by both municipal Councils in October 1993, reviewed in August 1999, reviewed in May 2004 and reviewed again in late 2011/early 2012. The Master Plan serves as a guide, and has as its goal the reduction in the amount of waste landfilled.

EWSWA currently operates the Essex-Windsor Regional Landfill located in the Town of Essex (formerly the Township of Colchester North). The Regional Landfill began receiving waste in July 1997.

The Authority also operates two transfer stations. One is located at the closed Landfill Site No. 2 in the Town of Kingsville (formerly the Township of Gosfield South). This site also serves as a public drop-off depot for residents and businesses. The refuse received at this facility is transferred to the Regional Landfill for final disposal. The other transfer station is located in the City of Windsor at E.C. Row and Central Avenue. This transfer station receives municipally delivered waste from Windsor, Tecumseh and Lakeshore. This waste is also transferred to the Regional Landfill for final disposal.

EWSWA also manages the perpetual care of closed Landfill 2 in Kingsville and Landfill 3 in Lakeshore. Other facilities managed by EWSWA include a Fibre Recycling Centre (opened in December 1988 and converted to a fibre only facility in 2008), a Container Recycling Centre (newly constructed in 2008) both located in the City of Windsor, a Public Drop-Off Depot and Municipal Hazardous or Special Waste Collection Centre (both opened in October 1995) located adjacent to the Recycling Centre site, a Public Recycling Drop-Off Depot and Municipal Hazardous or Special Waste Collection Centre located at the Regional Landfill (both opened in September 2013) and three yard waste composting sites located at the Regional Landfill, Transfer Station 2 and the Windsor Public Drop-Off Depot.

The programs delivered by EWSWA include the mandatory blue box recycling program, as well as the following other waste reduction programs: grass cycling; backyard composting; yard waste composting; white goods collection and recycling; municipal hazardous or special waste management; electronics; tires; mixed metals; and, public education programs in support of the waste reduction programs.

Funding for the support of this integrated waste management system comes mainly from charges to municipalities in the form of a per tonne fee as well as an assessment based on population, landfill tipping fees to residential and industrial, commercial and institutional customers, sale of recyclable materials (e.g. newsprint, metal cans and glass containers) payments by product stewards (eg. Stewardship Ontario for blue box program related costs) and other direct charges to municipalities (as is the case with the funding of Landfill 2 and Landfill 3 perpetual care costs).

Mission Statement

The mission of the Essex-Windsor Solid Waste Authority is to provide programs to manage the solid, non-hazardous waste generated in the County of Essex and the City of Windsor in an environmentally sound manner through processes which include, but are not necessarily limited to:

- Reduction
- Reuse
- Recycling
- Composting
- Landfilling

So that solid, non-hazardous waste is managed through methods other than landfilling as much as it is practical and financially feasible.

Strategic Plan

1. To establish the Authority as a partnership between the County of Essex and the City of Windsor to provide environmentally sound, effective and efficient waste diversion and management programs for the citizens of the County of Essex and the City of Windsor.
2. To design, obtain approval for and implement Waste Reduction, Reuse and Recycling Programs.
3. To design and implement public education and promotion programs to encourage further participation by residents and the Industrial, Commercial & Institutional Sector in Reduction, Reuse and Recycling Programs and Initiatives.
4. To investigate and research alternative methods of managing solid, non-hazardous waste, and implement those methods where appropriate.
5. To manage the perpetual care of Landfills #2 and #3 in the County of Essex.
6. To manage the operation of the Essex-Windsor Regional Landfill to serve Essex-Windsor's waste disposal needs until its projected closure in 2040.
7. To establish and maintain a cost recovery system which facilitates the implementation of the Mission Statement and Strategic Plan of the Essex-Windsor Solid Waste Authority.
8. To provide long-range planning for the management of solid non-hazardous waste generated in Essex-Windsor through an ongoing review of the Mission Statement, Strategic Plan and Solid Waste Management Master Plan.

2023 EWSWA Budget
Operating Budget Summary Table (Including Perpetual Care)

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Operating Expenditures	2022 Budget \$	2022 Projection \$	2023 Budget \$
Committee Expenses	13,000	4,700	13,000
Administration	2,061,020	2,022,930	2,157,360
Total - Administration & Committee	2,074,020	2,027,630	2,170,360
Realty	26,710	20,600	26,850
Total - Realty	26,710	20,600	26,850
Recycling Program	9,704,710	11,018,100	10,710,650
Municipal Hazardous or Special Waste Program	512,800	468,100	482,300
Waste Reduction/ Reuse	1,388,500	1,174,770	1,491,800
Advertising/ Public Education	376,350	278,230	386,920
Total - 3R's Programs	11,982,360	12,939,200	13,071,670
Regional Landfill - Operating Expenditures	4,075,020	4,518,250	5,104,680
Total - Landfill Operations	4,075,020	4,518,250	5,104,680
Transfer Stn. 1 (Windsor)	2,053,360	2,136,380	2,377,830
Transfer Stn. 2 (Kingsville)	757,050	810,030	847,790
Public Drop-Off (Windsor)	1,420,370	1,462,670	1,597,340
Total Transfer Stations and Waste Deport Operations	4,230,780	4,409,080	4,822,960
Sub-Total Operating Exp. Before "Reg. Landfill - Other" Expenses	22,388,890	23,914,760	25,196,520
Contrib. to Reg. Landfill Debt Retirement Reserve - Sun Life Debenture (Last Pmt. 2031)	5,658,100	5,658,100	5,879,400
Contribution to Regional Landfill Perpetual Care Reserve - Scheduled to Resume in 2032	0	0	0
Town of Essex Compensation	2,592,960	3,521,900	3,284,500
Annual Residential Compensation	81,880	112,500	104,900
Loan Repayment to Reserves - Development of Cells 3 and 4	584,080	584,080	616,070
Loan Interest - Cell #3 South	25,000	25,000	25,000
Total - Regional Landfill - Other	8,942,020	9,901,580	9,909,870
Sub-Total Operating Expenditures (Including Reg. Landfill - Other)	31,330,910	33,816,340	35,106,390

**2023 EWSWA Budget
Operating Budget Summary Table (Including Perpetual Care)**

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Other Expenditures	2022 Budget \$	2022 Projection \$	2023 Budget \$
Landfill #2 Perpetual Care - Current Year Expenditures	300,500	279,100	362,300
Landfill #3 Perpetual Care - Current Year Expenditures	824,670	724,770	754,000
Total - Perpetual Care Costs - Landfill Sites #2 & #3	1,125,170	1,003,870	1,116,300
Recycling	131,200	210,200	219,600
Waste Reduction	0	0	0
Regional Landfill	2,497,700	2,397,950	315,500
Transfer Station #2 (Kingsville)	196,000	92,050	181,500
Transfer Station #1 (Windsor)	90,000	0	110,000
Windsor Depot	5,000	4,000	5,000
Regional Landfill - Other	500,000	88,970	831,800
Total - Capital Works	3,419,900	2,793,170	1,663,400
Grand Total - Operating , Perpetual Care and Capital Expenditures	35,875,979	37,613,380	37,886,090
Total - Revenue	34,688,680	39,125,580	34,128,710
Total - Excess of Revenue over Expenditures	(1,187,300)	1,512,200	(3,757,380)

Summary Excess Revenue over Expenses Surplus (Deficit) Comprised of the Following:	2022 Budget \$	2022 Projection \$	2023 Budget \$
Operations Surplus (Deficit) - Contribution To/From Rate Stabilization Reserve	(1,187,300)	1,281,550	(3,757,380)
Landfill #2 Accum. Surplus (Deficit) at end of year	0	31,290	0
Landfill #3 Accum. Surplus at end of year	0	199,360	0
Total - Surplus (Deficit) for Year	(1,187,300)	1,512,200	(3,757,380)

Revenue Summary Table

Account Number	Revenue Re: Regular Operations	2022 Budget \$	2022 Projection \$	2023 Budget \$	
14201.6510	Municipal Allocation of Fixed Costs - Admin., Debenture, Compensation	\$9,356,740	\$9,356,740	\$9,811,630	\$14,418,800
14201.6520	Total Waste Management Fee - Municipally Delivered Refuse	4,454,000	4,369,200	4,607,170	
14201.6521	Tipping Fees - Municipally Delivered - Organics	774,900	666,740	695,100	
14201.6622	Tipping Fees - Residentially Delivered - Refuse	777,000	719,170	777,000	
14201.6630	Tipping Fees - Residential Customers - \$5 Flat Fee for Refuse	200,000	209,060	200,000	
14201.6625	Tipping Fees - Residentially Delivered - Grass	7,000	5,520	7,000	
14201.6627	Tipping Fees - Residential & ICI Delivered - Refrigerants	25,000	30,250	25,000	
14201.6620	Tipping Fees - ICI - Refuse - Landfilled	5,678,470	9,255,000	7,635,200	
14201.6619	Tipping Fees - ICI - Organics & Other Non-Landfilled Materials	385,150	778,100	519,800	
14201.6698	Tipping Fees - Weigh Scale Receipts	18,000	20,050	18,000	
14201.6628	Tipping Fees - Asbestos and Dig Out Fees	11,500	15,950	11,500	
14301.6625	Sale of Recyclable Goods	3,674,200	4,700,700	2,360,110	
14301.6724	LCBO Bottle Deposit (Paid by the Beer Store)	67,200	84,700	72,000	
14301.6798	Stewardship Ontario/Waste Diversion Organization - Recycling Program	3,335,250	3,660,430	2,910,000	
14104.6720	Reg. LF Recovery of Wages & Benefits from LF#2 Perp.Care	42,000	42,000	43,000	
14104.6720	Reg. LF Recovery of Wages & Benefits from LF#3 Perp.Care	46,000	46,000	47,000	
14106.6798	Sale of Scrap Metal & Batteries - Kingsville Drop-Off Depot	13,000	21,400	15,000	
14201.6501	Recovery of Administration Costs from LF#2 Perp. Care	15,000	15,000	15,000	
14201.6502	Recovery of Administration Costs from LF#3 Perp. Care	31,500	31,500	31,500	
14201.6623	Interest Income on Overdue Tip Fees	300	3,900	500	
14201.6698	Administration - Miscellaneous Revenue - Inc. Wage Subsidies & CUPE Wage Recovery	11,000	15,300	15,300	
14201.6703	Interest Income - Current Bank Account	12,000	32,700	30,000	
14201.6720	Admin. Recovery of Wages & Benefits from LF#2 Perp.Care	5,000	5,000	5,000	
14201.6720	Admin. Recovery of Wages & Benefits from LF#3 Perp.Care	15,000	15,000	15,000	
14301.6627	Sale of Blue Boxes	41,000	36,500	36,500	
14301.6626	Recovery From Contractor - Residual Hauling (Cont. Comp./Fibre Trailer)	96,000	44,710	96,000	
14303.6324	County Municipalities - White Goods Collections	48,000	39,000	39,000	
14303.6323	Electronics Recycling Revenue	66,000	68,200	71,000	
14303.6722	Composter & Digester Sales to Public	8,000	3,300	5,000	
14303.6726	Sale of Compost	225,000	239,200	225,000	
14303.6727	Compost Delivery Fee to Residents	7,500	7,400	7,500	
14303.6821	Contribution from Recycling Reserve	0	0	325,200	
14304.6728	Sale of Scrap Metal - Windsor Drop-Off Depot	187,800	163,540	165,000	
14305.6620	MHSW - Small Business Revenue	28,300	23,000	28,000	
14305.6798	MHSW - Used Auto Battery Sales	10,700	10,700	11,200	
14305.6320	Stewardship Ont. Funding - Disposal - Phase One	23,000	21,000	22,000	
14305.6320	Stewardship Funding - Contract Labour & Fixed Costs - Phase One	145,000	130,400	131,000	
14401.6629	Rental Income - Farmland & Other	224,400	224,400	224,400	
14201.6810	Cont. from Waste Reduction Res. - Regional Food and Organics Waste Management Plan	100,000	100,000	134,000	
Sub-Total	Recurring Revenue Re: Regular Operations	\$30,165,910	\$35,210,760	\$31,387,610	

Revenue Summary Table

Account Number	Revenue Re: Landfill #2 and Landfill #3 Perpetual Care	2022 Budget \$	2022 Projection \$	2023 Budget \$
14102.6520	Landfill #2 Perpetual Care - Contrib. From Municipalities	\$225,130	\$225,130	\$331,010
19205.8704	Landfill #2 Perpetual Care - Prior Year's Accum. Surplus Used to Fund Op.	75,370	85,260	31,290
14107.6520	Landfill #3 Perpetual Care - Contrib. From Municipalities	687,530	687,530	554,640
19205.8705	Landfill #3 Perpetual Care - Prior Year's Accum. Surplus Used to Fund Op.	137,140	236,600	199,360
Sub-Total	Revenue Re: Landfill #2 and Landfill #3 Perpetual Care	\$1,125,170	\$1,234,520	\$1,116,300

Account Number	Revenue Re: Capital and Non-Recurring	2022 Budget \$	2022 Projection \$	2023 Budget \$
14104.6725	Sale of Surplus Equipment -Regional Landfill - Bucket/Flail Mower/Truck	0	11,280	0
14104.6820	Contrib. from Equipment Replacement Reserve (ERR) - Regional Landfill - Pickup Truck	47,000	42,890	0
14104.6725	Sale of Surplus Equipment - Regional Landfill - Sale of 2010 F150 Pickup Truck	4,000	0	0
14201.6806	Contribution from Rate Stabilization Reserve - Regional Landfill - Clay Capping Project	0	0	103,000
14104.6820	Contribution from ERR - Regional Landfill - Light Plant	0	0	20,000
14104.6820	Contribution from ERR - Regional Landfill - Bull Litter Fence	67,600	0	70,000
14104.6820	Contribution from ERR - Regional Landfill - Methane Detection Maintenance Building	52,400	0	75,000
14104.6820	Contribution from ERR - Regional Landfill - GPS Rover	0	0	45,000
14104.6820	Contribution from ERR - Regional Landfill - Landfill Compactor CAT 836K	1,138,800	1,138,800	0
14104.6725	Sale of Surplus Equipment - Regional Landfill - CAT 836K	236,000	236,000	0
14104.6820	Contribution from ERR - Regional Landfill - Excavator CAT 330	282,500	277,380	0
14104.6725	Sale of Surplus Equipment - Regional Landfill - Excavator CAT 326FL	70,000	81,300	0
14104.6820	Contribution from ERR - Regional Landfill - CAT 730 Rock Truck	454,650	374,610	0
14104.6725	Sale of Surplus Equipment - Regional Landfill - Rock Truck CAT 725C	142,250	232,770	0
14105.6820	Contribution from ERR - Transfer Station #1 - Compactor Chute Rebuild	90,000	0	0
14105.6820	Contribution from ERR - Transfer Station #1 - Paving and Concrete Rebuild	0	0	110,000
14106.6820	Contribution from ERR - Transfer Station #2 - Asphalt (2023)	70,000	0	50,000
14106.6820	Contribution from ERR - Transfer Station #2 - Scale House Rebuild	0	0	130,000
14106.6820	Contribution from ERR - Transfer Station #2 - Engin./Design/Const. Push Wall	125,000	91,400	0
14301.6820	Contribution from ERR - Recycling - Conveyor Replacement	25,000	0	85,000
14301.6327	Sale of Roll - Out Carts - 95 gal. - Commercial	50,000	41,900	42,000
14301.6329	Sale of Roll - Out Carts - 35 & 65 gal. - Residential	42,400	63,000	63,000
14201.6804	Contrib. for Regional Landfill Res. - Regional Landfill Other - Gas Collection Wellfield	500,000	88,970	500,000
14201.6801	Contribution for Future Cell Development Reserve - Cell #5 North Engineering Design	0	0	331,800
Sub-Total	Revenue Re: Capital and Non-Recurring	\$3,397,600	\$2,680,300	\$1,624,800
Total	Revenue	\$34,688,680	\$39,125,580	\$34,128,710

SCHEDULE OF RESERVES

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
RATE STABILIZATION RESERVE			
BALANCE, BEGINNING OF YEAR	\$8,337,880	\$9,812,280	\$11,218,930
Operations Surplus (Deficit) for the year	(1,187,300)	1,281,550	(3,757,380)
Transf. Fr. Reg. Land. Perpetual Care Res. (Note 1)	0	0	0
Transfer To Other Reserves (Note 2)	0	0	0
Draw from Reserve - Regional Landfill Clay Capping Project	0	0	(103,000)
Interest Income	125,070	125,100	353,830
BALANCE, END OF YEAR	\$7,275,650	\$11,218,930	\$7,712,380
RESERVE CASH BALANCE CONTINUITY (Note 3)			
Loan to fund Closed Landfill No. 3 Clay Capping Project	(2,322,458)	(2,322,458)	0
Loan Repayment by Landfill #3 Program	2,322,458	2,322,458	0
Loan to fund Reg. Land. - Construction of Cell #4 North	(2,852,466)	(2,852,466)	0
Loan Repayment by Regional Landfill Program	2,852,466	2,852,466	0
Loan to fund Reg. Land. - Construction of Cell #3 South	(4,788,470)	(4,788,470)	(4,788,470)
Loan Repayment by Regional Landfill Program - Pmt will begin when Cell 4N paid	234,147	234,147	616,066
CASH BALANCE, END OF YEAR	\$2,721,327	\$6,664,607	\$3,539,976

NOTES:

NOTE 1: In 2011 the Authority conducted a Business Review. The consultant recommended that based on the current projection of available landfill capacity the \$500,000 annual contribution to the Regional Landfill Perpetual Care Reserve be suspended until the Sunlife debenture payment period is complete in 2031. Also, that the Authority cap the current Regional Landfill Perpetual Care Reserve balance at \$2,000,000 until the debenture is repaid and the balance in the reserve be transferred to the Rate Stabilization Reserve.

NOTE 2: As part of the 2019 Budget deliberation the Authority Board was presented with options regarding the balance in the Rate Stabilization Reserve as well as a 15 year forecast. The report also identified Authority reserves that were also potentially underfunded. The Board approved the transfer of \$9,000,000 from the Rate Stabilization Reserve to 4 other Authority reserves.

NOTE 3: The loans listed above under the cash balance continuity heading were originally loaned from the Regional Landfill Perpetual Care Reserve, as detailed in Note 1 the reserve was capped at \$2,000,000 in 2012 and the balance was transferred to the Rate Stabilization Reserve. Therefore, all outstanding loans along with the annual principal and interest payments were also transferred to the Rate Stabilization Reserve.

CLOSED LANDFILL NO. 3 CLAY CAPPING PROJECT - 2013 - 2015

\$2,365,390 was loaned during 2013,14 &15 to fund the placement of 1,000,000m3 of clay to increase the cap at Closed Landfill #3. The reserve will be repaid over a ten year period beginning in 2013 plus interest.

Regional Landfill Cell #4 North Construction - 2016

\$2,852,466 was loaned during 2014-16 to fund the engineering costs & capital construction costs of Cell #4 North at the Regional Landfill. The reserve will be repaid annually beginning in 2016 as per the approved Cell Development Repayment Schedule plus interest.

Regional Landfill Cell #3 South Construction - 2018

An estimated \$4,798,735 will be loaned during 2018 & 19 to fund the engineering costs & capital construction costs of Cell #3 South. The reserve will be repaid annually per the approved Cell Development Repayment Schedule plus interest.

SCHEDULE OF RESERVES

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EQUIPMENT REPLACEMENT RESERVE			
BALANCE, BEGINNING OF YEAR	8,879,030	\$8,946,450	\$8,535,750
Contribution to Reserve from:			
- Recycling (Equipment)	470,000	470,000	470,000
- Waste Reduction (Compost Pad, FEL, Pickup & Cube Van)	110,500	110,500	110,500
- Landfill (Heavy Equipment, Vehicles)	450,000	450,000	450,000
- Transfer Station #1 (Push Pits and Compactors)	100,000	100,000	100,000
- Transfer Station #2 (Front End Loader)	45,000	45,000	45,000
- Windsor Public Drop Off Depot - Backhoe	25,000	25,000	25,000
- Misc. - Revenue from sale of surplus equip. - Regional Landfill	452,250	561,350	0
Draw on Reserve:			
- to fund Regional Landfill Pick up truck	(51,000)	(42,890)	0
- to fund Regional Landfill Light Plant	0	0	(20,000)
- to fund Regional Landfill Bull Litter Fence	(67,600)	0	(70,000)
- to fund Regional Landfill Methane Detection Maint. Build.	(52,400)	0	(75,000)
- to fund Regional Landfill GPS Rover	0	0	(45,000)
- to fund Regional Landfill Compactor CAT 836K	(1,374,800)	(1,374,800)	0
- to fund Regional Landfill Excavator CAT 330	(352,500)	(358,680)	0
- to fund Regional Landfill Rock Truck CAT 725C	(596,900)	(607,380)	0
- to fund Transfer Station #1 Compactor Chute Rebuild	(90,000)	0	0
- to fund Transfer Station #1 Paving and Concrete	0	0	(110,000)
- to fund Transfer Station #2 Ashphalt	(70,000)	0	(50,000)
- to fund Transfer Station #2 Scale House Rebuild	0	0	(50,000)
- to fund Transfer Station #2 Push Wall	(125,000)	0	(130,000)
- to fund Recycling MRF - Conveyor Replacement	(25,000)	0	(85,000)
Interest Income	133,200	211,200	300,000
BALANCE, END OF YEAR	\$7,859,780	\$8,535,750	\$9,298,250
RESERVE CASH BALANCE CONTINUITY			
Loan to fund Windsor Transfer Station retrofit (structure costs only) - 2007/2008	(1,581,448)	(1,581,448)	(1,581,448)
Loan Repayment by Windsor Transfer Station Program - 2008 to Current	1,185,000	1,185,000	1,264,000
Loan to fund Regional Landfill Heavy Equipment - Bulldozer 2020 - Replaces D8	(766,670)	(766,670)	(766,670)
Loan Repayment by Regional Landfill Operating Program	459,990	459,990	613,320
Loan to fund Regional Landfill Heavy Equipment - Bulldozer 2020 - Replaces D7	(442,800)	(442,800)	(442,800)
Loan Repayment by Regional Landfill Operating Program	132,840	132,840	177,120
CASH BALANCE, END OF YEAR	\$6,846,692	\$7,522,662	\$8,561,772

SCHEDULE OF RESERVES

Windsor Transfer Station retrofit (structure costs only) - 2006/2007/2008

\$1,581,448 was loaned during 2006/2007/2008 to fund the retrofitting of the Windsor Transfer Station structure. The reserve will be repaid over a twenty year period beginning in 2008 at \$79,000 per year plus interest. The costs associated with the new push pits and compactors for the transfer station have been financed by another reserve.

Regional Landfill Heavy Equipment - John Deere 1050K Dozer - 2020

\$766,670 was loaned during 2020 to fund the acquisition of a John Deere 1050K Dozer at the Regional Landfill. Total cost was \$966,670 which was offset by a \$200,000 in trade-in for the 2015 D8T Bulldozer. The reserve will be repaid over a five year period beginning in 2020 at \$153,330 per year plus interest.

Regional Landfill Heavy Equipment - CAT D6 Dozer - 2020

\$442,800 was loaned during 2020 to fund the acquisition of a CAT D6 Dozer at the Regional Landfill. Total cost was \$558,770 which was offset by a \$115,970 in trade-in for the 2005 D7 Bulldozer. The reserve will be repaid over a ten year period beginning in 2020 at \$44,480 per year plus interest.

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
LANDFILL #2 PERPETUAL CARE FUND			
BALANCE, BEGINNING OF YEAR	\$75,370	\$85,260	\$31,290
Current Year's Expenditures	(300,500)	(279,100)	(362,300)
Current Year's Recoveries	225,130	225,130	331,010
BALANCE, END OF YEAR	\$0	\$31,290	\$0

LANDFILL #3 PERPETUAL CARE FUND			
BALANCE, BEGINNING OF YEAR	\$137,140	\$236,600	\$199,360
Current Year's Expenditures	(824,670)	(724,770)	(754,000)
Current Year's Recoveries	687,530	687,530	554,640
BALANCE, END OF YEAR	\$0	\$199,360	\$0

REGIONAL LANDFILL PERPETUAL CARE RESERVE FUND			
BALANCE, BEGINNING OF YEAR	\$2,482,170	\$2,482,190	\$2,545,790
Transfer From Reserve - To Rate Stab. Reserve (Note 1)	0	0	0
Interest Income	37,200	63,600	89,100
BALANCE, END OF YEAR	\$2,519,370	\$2,545,790	\$2,634,890

NOTE 1: In 2011 the Authority conducted a Business Review. The consultant recommended that based on the current projection of available landfill capacity the \$500,000 annual contribution to the Regional Landfill Perpetual Care Reserve be suspended until the Sunlife debenture payment period is complete in 2031. Also, that the Authority cap the current Regional Landfill Perpetual Care Reserve balance at \$2,000,000 until the debenture is repaid and the balance in the reserve be transferred to the Rate Stabilization Reserve.

SCHEDULE OF RESERVES

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
WORKING CAPITAL RESERVE/CASH IN OPERATING BANK ACCOUNT			
BALANCE, BEGINNING OF YEAR	\$650,000	\$650,000	\$650,000
BALANCE, END OF YEAR	\$650,000	\$650,000	\$650,000

NOTE: The Operating Bank Account which retains these funds also holds the cash for the Recycling Reserve as well as LF #2 Perpetual Care and LF #3 Perpetual Care as separate bank accounts were not opened for these reserves.

INSURANCE RESERVE			
BALANCE, BEGINNING OF YEAR	\$250,000	\$250,000	\$250,000
BALANCE, END OF YEAR	\$250,000	\$250,000	\$250,000

WASTE REDUCTION RESERVE			
BALANCE, BEGINNING OF YEAR	\$1,844,900	\$1,895,280	\$1,835,580
Draw from Reserve - Regional Food and Org. Waste Management Plan	(100,000)	(100,000)	(134,000)
Interest Income	27,700	40,300	64,300
BALANCE, END OF YEAR	\$1,772,600	\$1,835,580	\$1,765,880

REGIONAL LANDFILL RESERVE FUND			
(For property acquisitions required as part of the Regional Landfill residents compensation policy)			
BALANCE, BEGINNING OF YEAR	\$2,939,170	\$2,934,000	\$2,914,330
Sale of Property under PVPP - None for 2022	0	0	0
Draw from Reserve:			
Regional Landfill Flair Stack Re-Line	0	(88,970)	0
Regional Landfill Gas collection wellfield installation	(500,000)	0	(500,000)
Interest Income	44,100	69,300	102,000
BALANCE, END OF YEAR	\$2,483,270	\$2,914,330	\$2,516,330

SCHEDULE OF RESERVES

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
REGIONAL LANDFILL DEBT RETIREMENT RESERVE FUND			
BALANCE, BEGINNING OF YEAR	\$8,566,740	\$8,566,690	\$7,793,400
Contribution to Reserve - "Reg. Land. - Other" budget	5,658,100	\$5,658,100	\$5,879,400
Payment from Reserve - Jan. 15 and July 15 Sun Life Debenture payments	(6,584,090)	(6,584,090)	(6,841,700)
Interest income	128,500	152,700	272,770
BALANCE, END OF YEAR	\$7,769,250	\$7,793,400	\$7,103,870

RESERVE CASH BALANCE CONTINUITY

Loan to fund new Recycling Cont. Building - 2007/2008	(\$3,731,289)	(\$3,731,289)	(\$3,731,289)
Loan Repayment by Recycling Program - 2008 to Current	2,984,000	2,984,000	3,170,500
CASH BALANCE, END OF YEAR	\$7,021,961	\$7,046,111	\$6,543,081

NEW RECYCLING CENTRE - CONTAINERS - 2007/2008 (excluding processing equipment)

\$3,729,629 was loaned during 2006, 2007 & 2008 to fund a new Recycling Container Building. Total cost was \$4,479,629 with \$750,000 being offset by a draw on the Equipment Replacement Reserve. The reserve will be repaid over a twenty year period beginning in 2008 at \$186,500 per year plus interest. The processing equipment was funded by the Regional Landfill Perpetual Care Reserve.

RECYCLING RESERVE

BALANCE, BEGINNING OF YEAR	\$0	\$0	\$541,970
Contribution to Reserve - Recycling	0	541,970	0
Draw from Reserve - Recycling	0	0	(325,200)
Interest income	0	0	19,000
BALANCE, END OF YEAR	\$0	\$541,970	\$235,770

FUTURE CELL DEVELOPMENT RESERVE FOR REGIONAL LANDFILL

BALANCE, BEGINNING OF YEAR	\$12,691,880	\$12,550,120	\$12,814,420
Draw on Reserve - Re. Engineering Design for Cell # 5 North	0	0	(331,800)
Interest income	190,400	264,300	448,500
BALANCE, END OF YEAR	\$12,882,280	\$12,814,420	\$12,931,120

NOTE: Government of Canada and Province of Ontario strip bonds held in trust by the City of Windsor in an account at RBC Dominion Securities. Maturities as follows: Dec. 1, 2009 (\$4,797,000); Dec. 2, 2016 (\$5,961,150); Dec. 1, 2024 (\$5,317,650).

TIPPING FEE REVENUE SCHEDULE

	<u>2022 BUDGET</u>			<u>2022 PROJECTION</u>			<u>2023 BUDGET</u>		
	<u>\$ / TONNE</u>	<u>TONNES</u>	<u>REVENUE</u>	<u>\$ / TONNE</u>	<u>TONNES</u>	<u>REVENUE</u>	<u>\$ / TONNE</u>	<u>TONNES</u>	<u>REVENUE</u>
<u>LANDFILLED WASTE</u>									
Residential Waste - Municipally Delivered	\$40.00	111,350	\$4,454,000	\$40.00	109,230	\$4,369,200	\$41.00	112,370	\$4,607,170
Residential Waste - Residentially Delivered	\$105.00	7,400	\$777,000	\$105.00	6,710	\$719,170	\$105.00	7,400	\$777,000
Residential Waste - \$5/load for 1st 4 loads 100kg or less	\$5/load	2,400	\$200,000	\$5/load	2,410	\$209,060	\$5/load	2,400	\$200,000
Recycling & MHSW Residual	\$0	3,200	\$0	\$0	1,660	\$0	\$0	1,600	\$0
I/C & I Waste	Varying Rates	113,270	\$4,958,470	Varying Rates	183,700	\$8,070,960	Varying Rates	156,930	\$6,875,200
Contaminated Soil	\$36	20,000	\$720,000	\$36	32,890	\$1,184,040	\$38	20,000	\$760,000
TOTAL LANDFILLED WASTE		<u>257,620</u>			<u>336,600</u>			<u>300,700</u>	
<u>NON - LANDFILLED WASTE & OTHER TIPPING FEES</u>									
Grass delivered by Residential Customers	\$3/bag		\$7,000	\$3/bag		\$5,520	\$3/bag		\$7,000
Grass/Leaves/Tree Trimmings/Brush/Pallets/Other Delivered by I/C/I Cash & Invoiced Customers	VARIOUS		\$46,150	VARIOUS		\$109,900	VARIOUS		\$81,000
Auto Shredder Fluff and Street Sweepings	VARIOUS		\$339,000	VARIOUS		\$668,200	VARIOUS		\$438,800
Asbestos & Dig Out Fees	VARIOUS		\$11,500	VARIOUS		\$15,950	VARIOUS		\$11,500
Weigh Scale Receipts	\$7/ticket		\$18,000	\$7/ticket		\$20,050	\$7/ticket		\$18,000
Tires	VARIOUS		\$0	VARIOUS		\$0	VARIOUS		\$0
Refrigerants - Cash Residential & ICI Customers	\$17/unit		\$25,000	\$17/unit		\$30,250	\$17/unit		\$25,000
Municipally Delivered Organics	\$42.00	18,450	\$774,900	\$42.00	15,875	\$666,740	\$42.00	16,550	\$695,100
TOTAL LANDFILLED AND NON - LANDFILLED WASTE TIP FEE REVENUE			<u>\$12,331,020</u>			<u>\$16,069,040</u>			<u>\$14,495,770</u>

ESSEX - WINDSOR SOLID WASTE AUTHORITY

REVENUE SOURCES

2023 BUDGETED EXPENDITURES

OPERATING -	\$35,106,390
CAPITAL -	\$1,663,400
PERPETUAL CARE -	\$1,116,300
	<u>\$37,886,090</u>

WHERE DOES REVENUE COME FROM TO PAY FOR THESE EXPENDITURES?

		TIPPING FEES						SALE OF RECYCLABLE GOODS		MUNICIPAL DIRECT CHARGE FOR PERPETUAL CARE	DRAW ON RESERVES	INTEREST INCOME	OTHER	CAPITAL FINANCING	WASTE DIVERSION & STEWARDSHIP ONTARIO	
		MUNICIPAL ALLOCATION OF FIXED COSTS \$9,811,630		MUNICIPALITIES REFUSE TIPPING FEE \$41.00		MUNICIPALITIES ORGANICS TIPPING FEE \$42.00		RESIDENTIAL USER TIPPING FEES	I/C/I TIPPING FEES VARIOUS							
	POPULATION	FEE	TONNES	FEE	TONNES	FEE	\$1,009,000	\$8,184,500	\$2,360,110							
Kingsville	22,119	\$513,510	6,100	\$250,100	1,000	\$42,000				Kingsville	\$83,084	\$5,277,180	\$30,500	\$1,740,400	\$105,000	\$2,949,200
										Leamington	\$247,926					
Leamington	29,680	\$689,040	7,000	\$287,000	1,300	\$54,600				Tecumseh	\$30,722					
										Lakeshore	\$43,007					
Tecumseh	23,300	\$540,920	6,200	\$254,200	2,500	\$105,000				Windsor	\$480,911					
										Accum. Surpluses from Prior Year	\$230,650					
Lakeshore	40,410	\$938,150	11,800	\$483,800	1,500	\$63,000					<u>\$1,116,300</u>					
Windsor	229,660	\$5,331,710	58,920	\$2,415,720	6,500	\$273,000										
LaSalle	32,721	\$759,640	8,800	\$360,800	1,400	\$58,800										
Amherstburg	23,524	\$546,120	7,350	\$301,350	1,400	\$58,800										
Essex	21,216	\$492,540	6,200	\$254,200	950	\$39,900										
	422,630	\$9,811,630	112,370	\$4,607,170	16,550	\$695,100										

FILE: REVENUE SOURCES
\$37,886,090
\$0
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**COMMITTEE EXPENSES
SUMMARY**

	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES	\$13,000	\$4,700	\$13,000

COMMITTEE EXPENSES

ACCOUNT TITLE		2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES				
E.W.S.W.A.				
14201.2101	Indemnities	\$3,400	\$3,000	\$3,400
14201.2302	Mileage	2,500	800	2,500
14201.2305	Conferences	5,000	0	5,000
		\$10,900	\$3,800	\$10,900
REGIONAL LANDFILL LIAISON COMMITTEE				
14302.2123	Indemnities	\$1,600	\$900	\$1,600
14302.2323	Mileage	500	0	500
		\$2,100	\$900	\$2,100
TOTAL EXPENDITURES		\$13,000	\$4,700	\$13,000



Notes to the 2023 Budget Committee Expenses

Expenses

EWSWA Board

Expenditures for EWSWA Board members include per diem and mileage expenses paid to members who attend meetings in accordance with Authority policy. In addition, the budget includes a \$5,000 conference allowance. Mileage expense was under budget due to the in-person meetings only commencing in June 2022. The last EWSWA Board meeting and term of the Board was September 2022. No member used the \$5,000 conference allowance in 2022.

Regional Landfill – Landfill Liaison Committee

The Environmental Compliance Approval for the Essex-Windsor Regional Landfill requires the establishment of a Landfill Liaison Committee. Members of that Committee are paid a per diem and mileage to attend meetings in accordance with Authority policy. The Landfill Liaison Committee met virtually so no mileage expenses were incurred.

**ADMINISTRATION
SUMMARY**

	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES	\$2,061,020	\$2,022,930	\$2,157,360
RECOVERIES	\$166,500	\$166,500	\$200,500
NET EXPENDITURES	\$1,894,520	\$1,856,430	\$1,956,860

ADMINISTRATION

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES			
SALARIES & BENEFITS			
14201.1101 Salaries	\$819,180	\$817,890	\$855,150
14201.1200 Benefits	249,440	244,060	264,260
14201.1200 Benefits - Post Retirement	19,950	21,800	21,800
	\$1,088,570	\$1,083,750	\$1,141,210
STAFF EXPENSES			
14201.3001 Mileage	\$2,500	\$2,500	\$2,600
14201.3002 Training & Education	3,000	2,000	3,000
14201.3003 Seminars/Workshops	1,000	100	1,000
14201.3004 Out of Town Meetings	500	0	500
14201.3005 Membership Fees	5,000	5,200	5,200
	\$12,000	\$9,800	\$12,300
OFFICE EXPENSES			
14201.3101 Telephone, Fax, Internet	\$10,000	\$8,800	\$9,000
14201.3102 Postage	2,500	2,200	2,500
14201.3103 Office Supplies	6,150	4,850	6,150
14201.3105 Subscription/Reference Materials	3,100	3,380	3,400
14201.3109 Courier/Delivery	500	290	500
	\$22,250	\$19,520	\$21,550
OFFICE EQUIPMENT MAINTENANCE			
14201.3201 Copier/Printer/Fax/Scanner Maintenance	\$1,000	\$1,000	\$1,000
14201.3204 Computer Maintenance & Geoware Software Support	10,500	10,100	10,500
	\$11,500	\$11,100	\$11,500
PURCHASED SERVICES			
14201.3301 Legal & Other Professional - General	\$10,000	\$10,000	\$10,000
14201.3302 Audit & Other Accounting Consulting	13,500	13,500	13,800
14201.3396 Payroll, IT, HR - County of Essex	201,000	201,000	205,000
14201.3303 Consultant Fees - KPMG Re. Sunlife Debenture	10,000	0	10,000
14201.3303 Consultant/Contracted Staffing Fees - Regional Food and Organics Waste Management Plan	100,000	100,000	134,000
	\$334,500	\$324,500	\$372,800

ADMINISTRATION

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
OTHER ADMINISTRATIVE COSTS			
14201.3401 Insurance (All coverages except LF#2 & LF#3)	\$515,000	\$501,550	\$522,200
14201.3504 Charge and Debit Card Fees	30,000	26,600	30,000
14201.3407 Office Rental - Essex Civic Centre	40,500	40,500	40,800
	\$585,500	\$568,650	\$593,000
CAPITAL EXPENSE			
14201.3801 Office Furniture and Equipment	\$2,500	\$410	\$2,500
14201.3807 Computer Hardware, Software & Peripherals	4,200	5,200	2,500
	\$6,700	\$5,610	\$5,000
TOTAL EXPENDITURES	\$2,061,020	\$2,022,930	\$2,157,360
RECOVERY			
14201.6720 Recovery of Salary and Benefits from LF 2 Perp. Care	\$5,000	\$5,000	\$5,000
14201.6720 Recovery of Salary and Benefits from LF 3 Perp. Care	15,000	15,000	15,000
14201.6501 Charge to Perpetual Care Site 2	15,000	15,000	15,000
14201.6502 Charge to Perpetual Care Site 3	31,500	31,500	31,500
14201.6810 Contribution from Waste Reduction Reserve - Regional Food and Organics Waste Management Plan	100,000	100,000	134,000
	\$166,500	\$166,500	\$200,500
NET EXPENDITURES	\$1,894,520	\$1,856,430	\$1,956,860

FILE: ADMIN



Notes to the 2023 Budget Administration

Expenses

Salaries and Benefits

The Administration salaries and benefits accounts reflect the approved staff complement of the following 9 positions: General Manager; Manager of Finance & Administration; Manager of Waste Diversion; Manager of Waste Disposal; Executive Secretary, Administrative Assistant; 2 Accounting Clerks; and Clerk-Typist.

Purchased Services

Purchased services include Legal fees, Auditing fees, Administration fees (payable to the County of Essex), Consulting fees and Contracted Staffing fees relating to the Organics Waste Management Plan. Services provided by the County of Essex include IT support, data storage, payroll processing and HR services.

Other Administrative Expenses

Insurance premiums were under budget in 2022 due to some changes in the makeup of the insurers providing coverage to the Authority. The Authority benefited from these changes in 2022 however the insurance market continues to be difficult for the waste management class. For this reason, insurance premiums are anticipated to increase in 2023. The new term began July 1, 2022 and at the time of budget preparation the actual premium is unknown however an increase has been assumed for budgetary purposes.

Capital

There are no significant capital expenditures budgeted for 2023.

**REALTY
SUMMARY**

	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES	\$26,710	\$20,600	\$26,850
REVENUE	\$224,400	\$224,400	\$224,400
NET REVENUE	\$197,690	\$203,800	\$197,550

REALTY

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES			
OPERATING EXPENSES			
14401.3402 Property Taxes	\$15,710	\$15,600	\$15,850
14401.3406 Repairs & Maintenance (Inc. Brushing & Ditching)	5,000	2,000	5,000
14401.3301 Legal and Consulting	2,000	1,000	2,000
14401.3324 Appraisals	4,000	2,000	4,000
TOTAL EXPENDITURES	\$26,710	\$20,600	\$26,850
REVENUE			
14401.6629 Farmland Rental Revenue	\$224,400	\$224,400	\$224,400
TOTAL REVENUE	\$224,400	\$224,400	\$224,400
NET REVENUE	\$197,690	\$203,800	\$197,550

FILE: REALTY



Notes to the 2023 Budget Realty

Expenses

In addition to the properties purchased by the Authority for the Essex-Windsor Regional Landfill, and the Public Drop-Off Depot in Windsor, the Authority has acquired 832 acres of land within the 500 metre buffer zone around the Regional Landfill. The Authority also has ongoing obligations under the Resident's Compensation Policy for the Regional Landfill Site to conduct appraisals, purchase land or pay property value protection when required and after being advised by a qualifying property owner in the vicinity of the Regional Landfill of their intention to sell their property.

The 2023 budget includes the property taxes paid to the Town of Essex for the 832 acres and for miscellaneous repairs and maintenance on those properties.

The 2023 budget includes \$2,000 in legal and consulting fees and \$4,000 in appraisal fees in case a property owner(s) files a notice under the plan during the year.

Revenue

Rental Revenue is earned from leasing the lands in the buffer area around the Regional Landfill and lands acquired under the Property Value Protection Plan to a local farmer. At the end of 2016 the Authority entered into a new 5-year lease that runs until November 1, 2021 with the option for extensions beyond that date. A one-year extension was exercised in 2022.

RECYCLING PROGRAM SUMMARY

	2022 BUDGET	2022 PROJECTION	2023 BUDGET
<u>OPERATIONS</u>			
Program Operating Cost	\$9,704,710	\$11,018,100	\$10,710,650
Revenue	7,213,650	8,527,040	5,799,810
Net Program Cost	\$2,491,060	\$2,491,060	\$4,910,840
<u>CAPITAL</u>			
Expenditures	\$131,200	\$210,200	\$219,600
Revenue	117,400	104,900	190,000
Net Capital Cost	\$13,800	\$105,300	\$29,600

RECYCLING PROGRAM

30-Jan-23

ACCOUNT TITLE		2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES				
SALARIES, WAGES & BENEFITS - EWSWA				
14301.1101	Salaries	\$149,180	\$141,120	\$154,710
14301.1104	Summer Students	12,600	10,180	12,640
14301.1200	Benefits	50,990	50,380	54,240
14106.1200	Benefits - Post Retirement	6,490	7,120	7,120
		\$219,260	\$208,800	\$228,710
WAGES, SALARIES & BENEFITS - CITY OF WINDSOR BLUE BOX COLLECTION				
14301.3740	Blue Box Collection - Contracted Service Cost (GFL)	\$1,848,810	\$1,848,810	\$2,159,400
14301.3745	Wages - Administration	15,860	15,860	16,200
14301.3745	Salaries - Supervisors	110,670	110,670	112,950
14301.3745	Benefits	52,990	52,990	54,150
14301.3745	Overhead	209,620	209,620	213,450
14301.3745	ICI OCC Collection - Equipment & Labour	101,020	101,020	105,350
		\$2,338,970	\$2,338,970	\$2,661,500
STAFF EXPENSES				
14301.3001	Mileage	\$500	\$100	\$500
14301.3002	Training	300	270	300
14301.3003	Seminars/Workshops	500	0	500
		\$1,300	\$370	\$1,300
OPERATING EXPENSES				
Collection				
14301.3741	County Collection - Labour/R&M/Fuel/Insurance/Licences/Radio/Capital	\$2,806,080	\$3,591,350	\$3,443,020
14301.3749	Blue & Red Boxes - For New Homeowners	35,000	70,840	37,500
14301.3749	Blue & Red Boxes - For Resale	41,000	47,860	43,900
14301.3750	Blue & Red Box Sales Commission to Retail Outlet	13,000	11,800	12,040
		\$2,895,080	\$3,721,850	\$3,536,460
Processing				
14301.3760	Processing Recyclables and R&M Labour	\$2,656,000	\$2,656,000	\$2,705,000
14301.3769	Container Line Repair and Maintenance	130,000	138,000	130,000
14301.3771	Fibre Line Repair and Maintenance	99,000	89,000	89,000
14301.3764	Residual Disposal Haulage	143,000	135,000	150,390
14301.3773	Other Equipment R&M	2,000	1,800	2,000
14301.3799	Miscellaneous Expenses (Inc. Special Event Cart Liners)	2,500	2,200	2,500
14301.3776	Loan Repayment to Regional Landfill Debt Reserve - New Container Recycling Centre (2008-27)	186,500	186,500	186,500
14301.3776	Interest on Loan from RL Debt Retirement Reserve - New Container Recycling Centre	14,000	21,430	31,840
		\$3,233,000	\$3,229,930	\$3,297,230
Plant				
14301.3782	Container & Fibre Recycling Building - Repair & Maintenance	\$50,000	\$49,500	\$50,000
14301.3405	Janitorial	25,200	25,000	27,000
14301.3781	Recycling Centre-Site Maintenance	32,500	24,000	28,000
14301.3765	Freight - re: Clear Glass to Market	3,100	3,000	3,350
14301.3774	Freight - re: Coloured Glass for Reuse	41,000	63,800	71,100
14301.3783	Utilities - Fibre MRF	95,000	78,200	80,000
14301.3784	Utilities - Container MRF	112,000	99,800	102,000
14301.3762	Shop Supplies	6,500	6,500	7,000
14301.3780	Recycling Center Fire Alarm and Sprinkler System	30,000	29,100	30,000
14301.3795	Security	1,000	4,800	2,000
14301.3775	Rent - Hydro easement	4,300	4,300	4,800
		\$400,600	\$388,000	\$405,250

RECYCLING PROGRAM

30-Jan-23

<u>ACCOUNT TITLE</u>	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES			
Administration			
14301.3790 Grant-in-lieu of Taxes	\$86,000	\$85,500	\$88,000
14301.3789 Consulting - Waste Audit (2022/2023)	54,000	25,410	15,200
14301.3792 Telephone	3,500	3,200	3,500
14301.3791 Office Expenses	3,000	4,100	3,500
	\$146,500	\$118,210	\$110,200
Contributions			
14301.4220 Contribution to Equipment Replacement Reserve	\$470,000	\$470,000	\$470,000
14301.4221 Contribution to Recycling Reserve	0	541,970	0
	\$470,000	\$1,011,970	\$470,000
Total Operating Expenses	\$7,145,180	\$8,469,960	\$7,819,140
TOTAL EXPENDITURES	\$9,704,710	\$11,018,100	\$10,710,650
REVENUE - RE: OPERATING			
14301.6625 Recyclable Material Sales	\$3,674,200	\$4,700,700	\$2,360,110
14301.6798 Stewardship Ontario - Blue Box Funding	3,335,250	3,660,430	2,910,000
14301.6627 Sale of Blue Boxes	41,000	36,500	36,500
14301.6821 Contribution from Recycling Reserve	0	0	325,200
14301.6724 LCBO Bottle Deposit	67,200	84,700	72,000
14301.6626 Recov. From Contr. - Resid. Haul. (Cont. Comp./Fibre Trailer)	96,000	44,710	96,000
TOTAL REVENUE	\$7,213,650	\$8,527,040	\$5,799,810
NET PROGRAM COST	\$2,491,060	\$2,491,060	\$4,910,840
CAPITAL EXPENDITURES			
14301.3801 Equip. - Processing & Health & Safety Equipment	\$30,000	\$46,100	\$30,000
14301.3801 Equip. - Container MRF - C1 Conveyor Replacement	25,000	0	85,000
14301.3807 Computer Hardware & Software	5,200	3,600	4,000
14301.3820 Roll-Out Carts - Resale - 95 gal. - Commercial	25,000	44,600	27,700
14301.3820 Roll-Out Carts - Events, Condos & Municipal Bldg.	6,000	17,900	11,200
14301.3821 Roll-Out Carts - Resale - 35 & 65 gal. - Residential	40,000	98,000	61,700
	\$131,200	\$210,200	\$219,600
REVENUE - RE: CAPITAL			
14301.6820 Contrib. from Equip. Replace. Res. - Conveyor Replacement	\$25,000	\$0	\$85,000
14301.6327 Sale of Roll - Out Carts - 95 gal. - Commercial	50,000	41,900	42,000
14301.6329 Sale of Roll - Out Carts - 35 & 65 gal. - Residential	42,400	63,000	63,000
	\$117,400	\$104,900	\$190,000
NET CAPITAL (EXPENDITURES)	(\$13,800)	(\$105,300)	(\$29,600)

FILE:RECYCLING

RECYCLABLE MATERIAL REVENUE SCHEDULE

Tonnage (Tonnes) and Revenue Data						
Material	2022 Budget		2022 Projection		2023 Budget	
	Tonnes	Revenue	Tonnes	Revenue	Tonnes	Revenue
News SRPN 56	4,738	\$522,700	5,094	\$904,070	4,941	\$553,400
Steel/Tin	783	\$236,600	680	\$248,600	680	\$163,800
Clear Glass	116	\$2,300	101	\$0	101	\$0
Aluminum & Foil	362	\$597,900	345	\$834,480	345	\$701,400
PET	1,642	\$689,500	1,678	\$976,730	1,678	\$376,000
HDPE	376	\$313,500	409	\$241,150	409	\$98,200
OCC	6,565	\$989,200	5,788	\$1,062,460	5,788	\$387,800
Hard Pack/Box Board	2,314	\$217,100	2,281	\$246,200	2,281	\$34,200
Fine Paper	0	\$0	17	\$6,700	17	\$2,100
Mixed Glass	2,820	\$0	2,622	\$0	2,622	\$0
Polycoat	56	\$1,000	121	\$6,200	121	\$1,210
Mixed Plastics	488	\$67,900	529	\$86,550	529	\$18,500
Mixed Metals	45	\$10,900	53	\$19,230	53	\$17,200
Mixed Fibre	634	\$25,600	618	\$54,730	618	\$0
Container Residual	0	\$0	965	\$13,600	1,254	\$6,300
TOTAL	20,939	\$3,674,200	21,301	\$4,700,700	21,437	\$2,360,110

Material	Price per Tonne			
	2022 Anticipated Mkt. Price	2023 Anticipated Mkt. Price	Actual October 2022	Range January - October 2022
News SRPN 56	\$110	\$112	\$112	\$112 - \$217
Steel/Tin	\$302	\$241	\$241	\$241 - \$565
Clear Glass	\$20	\$0	\$0	\$0
Aluminum	\$1,696	\$2,033	\$2,033	\$2,033 - \$3,218
PET	\$420	\$224	\$224	\$244 - \$1,305
HDPE	\$834	\$240	\$240	\$240 - \$930
OCC	\$151	\$67	\$67	\$67 - \$234
Hard Pack/Boxboard	\$94	\$15	\$15	\$15 - \$165
Fine Paper	\$121	\$121	\$121	\$121 - \$399
Mixed Glass	\$0	\$0	\$0	\$0
Polycoat	\$18	\$10	\$0	\$0 - \$90
Mixed Plastics	\$139	\$35	\$35	\$35 - \$401
Mixed Metals	\$243	\$322	\$322	\$322 - \$415
Loose Fibre-mixed paper ONP#6	\$40	\$0	\$0	\$0
Container Residual	\$40	\$0	\$5	\$0 - \$25

Key:

SRPN 56 - Sorted Residential Papers & News

OCC - Old Corrugated Cardboard - Cardboard boxes

PET - Polyethylene Terephthalate - Plastic water, juice and pop bottles

HDPE - High Density Polyethylene - Laundry detergent and household cleaner types of containers

Hardpack - Combination of OCC and Boxboard (food boxes like cereal and pasta)

Mixed Plastics - Includes margarine tubs, lids & clam-shell containers

Polycoat - Tetra pack containers (juice and milk)



Notes to the 2023 Budget Recycling

Expenses

Windsor Blue Box Collection – Contracted Service Cost

In October 2010 the City of Windsor (“City”) entered into a contract with Turtle Island Recycling for blue box collection. In 2012 the contractor changed its operating name to Green for Life Recycling or GFL. The contract expired in 2017. In late 2016 Windsor issued a tender and GFL was the successful bidder. The new contract term commenced February 27, 2017. The contract includes all costs such as labour, R&M, fuel, insurance and licences. The City still administers and supervises the collection and charges the Authority for these costs. The contract is in place until August 27, 2024.

County Blue Box Collection – Contracted Service Cost

In December 2020 the Authority engaged in a contract with the City to provide blue box collection in the 7 county municipalities. A new short-term contract was required to bridge the gap between the expiration of the existing contract and the transition of the blue box program under the Province’s Extended Producer Responsibility (“EPR”) model in August 2024. The contract includes all costs such as labour, R&M, fuel, insurance and licences. The 2022 budget reflected the adjusted annual price per the contract however in 2022 the City identified that operating the County Blue Box Collection (“Service”) was generating a deficit for the City. The 2022 projected figure is the projected cost of the City to operate the Service. The 2023 budget was revised to reflect the City’s costs associated with operating the Service.

Processing Recyclables

HGC Management has been under contract since December 1, 2020 to process recyclables for both the fibre and the container material recycling facilities (“MRF”). The contract is expected to remain in place until the Authority transitions the Blue Box Program to EPR which is slated for August 28, 2024. The contract includes the provision of labour, rolling stock, tools and other supplies. The 2023 budget reflects the adjusted annual price per the contract.

On September 22, 2021, the Authority entered into a contract with Green For Life Environmental (“GLF”) for bin hauling services. GLF hauls the residual material from both MRFs. The contract terms are from January 1, 2022 to December 31, 2028. The 2023 budget reflects the estimated tonnage of residual material with an included annual unit price adjustment.

Processing - Loans and Interest Payments

In 2008, the Authority completed several new capital projects including the construction of a new container processing facility.

The funds required to finance the construction came from internal borrowing from the Authority reserves. The Authority can borrow from its own reserves at a better rate of interest than from an external source such as a bank. The loan for the new building will be repaid over a 20-year period (2008-2027). Annual payments are made with interest calculated based on current rates.

Plant – Repair and maintenance

The container and fibre building repair and maintenance commonly consist of door repairs, health and safety repairs such as guardrails, lighting, and heating and cooling system of both MRFs.

Grant in Lieu of Taxes

The City of Windsor is paid a grant in lieu of taxes annually for the fibre and container processing facility properties.

Administration – Consulting (Waste Audit 2022/2023)

The 2022 waste audit fees were less than the budget due to Stewardship Ontario covering the majority of costs associated with the residential waste audit. The 2023 budget includes the remaining costs and report associated with the residential curbside audit. The most recent waste audit was performed in 2013.

Contribution to the Equipment Replacement Reserve

An annual contribution is made to this reserve for the replacement costs of the recycling equipment.

Contribution to the Recycling Reserve

Due to the surplus in the program, this contribution is made to manage the increasing costs surrounding the County Blue Box Collection Program.

Revenue

The 2022 projected recycling revenue is approximately \$1,026,500 higher than budgeted due to stronger commodity prices and demand for fibre materials in the first half of the fiscal year. Commodity prices fell in the second half due to a surplus of material in the Market. The 2023 budget is significantly reduced from 2022 due to the anticipation that commodity prices will remain low due to the surplus material in the market.

Stewardship Ontario provides Blue Box Funding equal to approximately 50% of the net cost of operating the program. The 2023 budget reflects the actual Blue Box Funding amount received on January 30, 2023.

Contribution from the Recycling Reserve is used to manage the increased costs associated with the County Blue Box Collection services.

The 2022 residual hauling recovery from HGC Management Inc. (“the Contractor”) is lower due to the reduction in residual tonnage from the fibre material recovery facilities.

Capital

In 2011 the Authority engaged a Health and Safety consultant to review operations and provide recommendations where necessary. As a result, a capital item for H&S equipment has been included in the 2012 to 2023 budgets.

The cost of Roll out cart has risen in 2022 which accounts for the variance in the budget. Sales are budgeted to be in line with 2022 projected figures.

MUNICIPAL HAZARDOUS OR SPECIAL WASTE PROGRAM SUMMARY

	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES	\$512,800	\$468,100	\$482,300
REVENUE	\$207,000	\$185,100	\$192,200
NET PROGRAM COST	\$305,800	\$283,000	\$290,100

MUNICIPAL HAZARDOUS OR SPECIAL WASTE PROGRAM (WINDSOR & COUNTY)

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
OPERATING EXPENSES			
14305.3778 Disposal Fee - Windsor Depot, Kingsville Depot, Reg LF - Phase One	\$23,000	\$21,000	\$22,000
14305.3778 Disposal Fee - Windsor Depot, Kingsville Depot, Reg LF - Phase Two	57,000	41,300	42,500
14305.3778 Disposal Fee - Windsor Depot, Kingsville Depot, Reg LF - Phase Three	201,000	180,400	186,000
14305.3753 Contracted Labour	214,000	211,200	217,600
14305.3782 Old Corrugated Cardboard Bin Haul	3,600	1,000	0
14305.3403 Utilities (Allocation)	6,000	6,000	6,000
14305.3238 Repairs & Maintenance (Inc. Janitorial)	7,600	6,700	7,600
14305.3795 Security - Monitoring and Maintenance	500	500	500
14305.3792 Telephone	100	0	100
TOTAL EXPENDITURES	\$512,800	\$468,100	\$482,300
REVENUE			
14305.6320 Stewardship Funding - Disposal - Phase One	\$23,000	\$21,000	\$22,000
14305.6320 Stewardship Funding - Cont. Labour & Fixed Costs - Phase One	145,000	130,400	131,000
14305.6620 Small Business MHSW Revenue	28,300	23,000	28,000
14305.6798 Used Auto Battery Sales	10,700	10,700	11,200
	\$207,000	\$185,100	\$192,200
NET COST	\$305,800	\$283,000	\$290,100

Materials Included in MHSW Program:

Phase One - Paints, coatings, solvents, oil, oil filters, antifreeze, batteries, pressurized containers, selected other materials

Phase Two - Fire extinguishers, fluorescent bulbs and tubes, pharmaceuticals, rechargeable batteries

Phase Three - Fertilizers, adhesives, flammables, corrosives, irritants, toxics, reactives, ballasts

Note: There is currently no funding available for Phase 2 & 3 materials, processing and disposal costs for those materials is the responsibility of the municipalities.



Notes to the 2023 Budget Municipal Hazardous or Special Waste Program

Expenses

General

Municipal hazardous or special wastes are materials such as paints and paint related products, used motor oil, pesticides, batteries and propane tanks. The 2 significant operating costs include the MHSW contracted labour and disposal fee. Residents and small businesses drop off MHSW waste at the Drop Off Depot where contracted labour staff (Windsor site only) “lab pack” the materials to be sent to facilities where it will be recycled. The Authority manages three drop off depots located at the Windsor Public Drop Off, the Regional Landfill and Transfer Station #2.

Revenue

Stewardship Ontario & Product Care Funding

In July of 2010, a new industry funded stewardship program was implemented. Since that time, changes to the Provincial ECO Fee program along with funding for the 3 material types or phases have occurred. Product Care Association and Stewardship Ontario directly pay the contractor responsible for the transportation and disposal of all Phase 1 materials (approx. 70% of materials received at our facilities). A small amount of the transportation and disposal costs for Phase 1 materials are paid by the EWSWA and then reimbursed by Stewardship Ontario due to Phase 1 items being combined with other Phase 2 or 3 materials. The Province of Ontario through the Product Care Association (PCA) reimbursed the EWSWA for Phase 2 materials until the first quarter of 2016. The program was cancelled at that time and the Authority became responsible for 100% of the disposal costs for all Phase 2 & 3 materials.

The Authority is also paid a fixed hourly rate for a fixed amount of hours annually by Stewardship Ontario and Product Care Association to operate and staff our facilities with contracted labour.

The Authority engages a contractor to provide both contract labour services and disposal services.

**WASTE REDUCTION / REUSE PROGRAMS
SUMMARY**

	2022 BUDGET	2022 PROJECTION	2023 BUDGET
<u>OPERATIONS</u>			
Program Operating Cost	\$1,388,500	\$1,174,770	\$1,491,800
Revenue	354,500	357,100	347,500
Net Program Cost	\$1,034,000	\$817,670	\$1,144,300

WASTE REDUCTION/REUSE PROGRAMS

25-Jan-23

<u>ACCOUNT TITLE</u>	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES			
SALARIES & BENEFITS			
14303.1101 Salaries - Full Time	\$208,160	\$208,800	\$268,590
14303.1104 Summer Students	78,020	42,000	37,800
14303.1200 Benefits	84,770	74,930	105,360
	\$370,950	\$325,730	\$411,750
STAFF EXPENSES			
14303.3001 Mileage & Other staff expenses	\$500	\$350	\$500
14303.3002 Training	3,500	4,600	3,500
14303.3006 Clothing	1,650	1,550	1,650
14303.3101 Telephone and Radios	2,400	3,030	2,400
	\$8,050	\$9,530	\$8,050
CUBE VAN & PICKUP TRUCK			
14303.3731 Fuel; Repairs & Maintenance; Licence	\$7,500	\$5,000	\$7,000
14303.4102 Contrib. to Equip. Replace. Res. (Cube Van & Pickup)	10,500	10,500	10,500
	\$18,000	\$15,500	\$17,500
BACKYARD COMPOSTER PROGRAM			
EXPENSES			
14303.3720 Backyard Composter Units & Green Cone Digesters	\$3,000	\$0	\$3,000
14303.3721 Sales Commission	300	150	300
	\$3,300	\$150	\$3,300
REVENUE			
14303.6722 Composter & Green Cone Digester Sales to Residents	\$8,000	\$3,300	\$5,000
	\$8,000	\$3,300	\$5,000
	(\$4,700)	(\$3,150)	(\$1,700)
COUNTY WHITE GOODS COLLECTION, REFRIGERANT REMOVAL PROGRAMS & ELECTRONICS PROGRAM			
EXPENSE			
14303.3730 White Goods Collection Costs - 6 County Municipalities	\$48,000	\$39,000	\$39,000
14303.3736 Refriger. Rem. - Windsor and Kingsville Drop-Off Depots	35,000	30,900	35,000
	\$83,000	\$69,900	\$74,000
REVENUE			
14303.6324 Charges to Municipalities re: White Goods Collection	\$48,000	\$39,000	\$39,000
14303.6323 Electronics Recycling Revenue	66,000	68,200	71,000
	\$114,000	\$107,200	\$110,000
NET REVENUE	(\$31,000)	(\$37,300)	(\$36,000)

WASTE REDUCTION/REUSE PROGRAMS

25-Jan-23

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES			
YARD WASTE MANAGEMENT PROGRAMS			
EXPENSES			
YARD WASTE PROCESSING			
Windsor - Public Depot			
14303.3752 Grinding/Hauling	\$472,400	\$365,500	\$500,600
14303.3746 Bagging	22,000	28,400	35,000
14303.3747 Other (including paper yard waste bags)	1,000	3,500	2,000
14303.3748 Forklift - Fuel	600	760	800
14303.3749 Forklift - Repair & Maintenance	2,000	1,000	2,000
14303.3735 Compost Deliveries - Sales to Residents	7,500	5,500	7,500
14303.3753 Front End Loaders - Fuel (2 units)	12,500	14,500	15,000
14303.3754 Front End Loader - Repairs & Maintenance (2 units)	30,000	30,000	30,000
14303.4102 Contribution to Equip. Replacement Reserve - Front End Loader & Compost Pad	100,000	100,000	100,000
14303.3756 Yard Waste Residue - Bin Hauling	1,000	1,000	1,000
	\$649,000	\$550,160	\$693,900
Compost Site - Regional LF - Operating			
14303.3723 Grinding - Organics	\$65,000	\$58,500	\$77,600
14303.3760 Screening	115,000	76,600	122,000
14303.3765 Compost Haul to Other Locations - Dupuis & TS#2	13,000	8,000	13,000
14303.3764 Compost Quality - Testing	3,500	2,100	3,500
	\$196,500	\$145,200	\$216,100
Compost Site #2 (Transfer Station #2) - Operating			
14303.3724 Grinding - Organics	\$38,200	\$40,800	\$43,200
14303.3770 Screening	10,000	11,400	12,000
14303.3772 Compost Quality - Testing	1,500	1,900	2,000
14303.3773 Hauling - Screening Overs to Regional Landfill	10,000	4,500	10,000
	\$59,700	\$58,600	\$67,200
REVENUE - RE: OPERATING			
14303.6726 Sale of Compost	\$225,000	\$239,200	\$225,000
14303.6727 Compost Delivery Fee Recovery From Contractor	7,500	7,400	7,500
	\$232,500	\$246,600	\$232,500
NET COST YARD WASTE PROGRAM	\$672,700	\$507,360	\$744,700
TOTAL OPERATING EXPENDITURES FOR ALL PROGRAMS	\$1,388,500	\$1,174,770	\$1,491,800
TOTAL OPERATING REVENUE FOR ALL PROGRAMS	\$354,500	\$357,100	\$347,500
NET OPERATING COST FOR ALL PROGRAMS	\$1,034,000	\$817,670	\$1,144,300

File: WASTE REDUCTION



Notes to the 2023 Budget Waste Reduction & Reuse Programs

General

Backyard Composter Program

Regulation 101/94 requires that Essex Windsor have home composters for sale. Backyard composters are an inexpensive way for the Authority to continue to meet its waste diversion objectives. The units are sold through the Home Hardware stores and at truckload sales.

County White Goods Collection/Recycling Program

The Authority contracts out White Goods Collection for 6 of the 7 municipalities in the County of Essex on a cost recovery basis. The total costs fluctuate depending on the number of residents requesting items to be picked up.

Yard Waste Management Programs

Yard Waste Processing

All yard waste that is delivered to Authority facilities requires grinding to begin the composting process. The ground material is hauled to the Regional Landfill where it will mature into finished compost. The yard waste is placed in rows and is periodically turned to allow the material to breakdown into compost. After approximately one year the compost is screened to remove any large material. The finished product is then bagged or sold in bulk to the public or to large volume customers such as nurseries and landscapers.

The Authority entered into a new grind and haul contract on December 7, 2020 with a term date of January 1, 2021 to December 31, 2022 with options to extend on an annual basis to December 31, 2027. The 2023 grinding and hauling cost for the Windsor Public Depot, Regional Landfill and Transfer Station#2 accounts for the expected yard waste tonnages and an annual price adjustment. The Windsor – Public Depot received fewer tonnes of leaf and yard waste from municipalities and residents than budgeted.

Revenue

Revenue from the sale of the finished compost product was higher than budgeted due to more demand for bulk finished compost in 2022.

ADVERTISING & PUBLIC EDUCATION PROGRAMS SUMMARY

	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES	\$376,350	\$278,230	\$386,920
REVENUE	\$0	\$0	\$0
NET EXPENDITURES	\$376,350	\$278,230	\$386,920

ADVERTISING & PUBLIC EDUCATION PROGRAMS

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
<u>EXPENDITURES</u>			
<u>SALARIES & BENEFITS</u>			
14302.1101 Salaries	\$70,600	\$71,200	\$71,780
14302.1200 Benefits	21,400	20,430	21,790
	\$92,000	\$91,630	\$93,570
<u>STAFF EXPENSES</u>			
14302.3001 Mileage	\$500	\$100	\$500
14302.3003 Seminars / Workshops	500	0	500
14302.3002 Training	350	0	350
	\$1,350	\$100	\$1,350
<u>ADVERTISING COSTS</u>			
14302.3706 Recycling Program	\$80,000	\$45,000	\$80,000
14302.3715 Collection Calendars - Recycling & Refuse	65,000	67,000	70,000
14302.3707 MHSW Program	8,000	6,000	8,000
14302.3708 Organics Programs	10,000	9,000	10,000
14302.3704 Enviro-Tips Newsletter - Print & Postage	45,000	47,000	49,000
14302.3711 Landfills	3,000	500	3,000
	\$211,000	\$174,500	\$220,000
<u>PUBLIC EDUCATION PROGRAM</u>			
<u>EXPENSES</u>			
14302.3701 Display/Exhibit Expenses	\$7,000	\$7,000	\$7,000
14302.3204 Comp. Maintenance -EWSWA Website Rebuild	60,000	0	60,000
14302.3712 Promotional Materials & Gold Star Recycling Program	5,000	5,000	5,000
	\$72,000	\$12,000	\$72,000
TOTAL EXPENDITURES	\$376,350	\$278,230	\$386,920



Notes to the 2023 Budget Advertising, Promotion & Public Education

Expenses

Advertising Costs

The base advertising budget includes allocations under six programs: Recycling, Collection Calendars, MHSW, Organics, Enviro-Tips Newsletter and Landfill. Collection Calendars are provided to each household in Windsor and the 7 County municipalities showing refuse, blue box collection and organics collection days as well as other recycling information.

Public Education Program

The expenses under this program cover the fees and expenses to set up displays at a number of special events and festivals in Essex Windsor such as Earth Day and the Children's Water Festival.

The 2022 budget included the cost to rebuild the existing website however the work has been postponed to 2023. The existing website was made available to the public in 2011.

**REGIONAL LANDFILL SITE - OPERATING
SUMMARY**

	2022 BUDGET	2022 PROJECTION	2023 BUDGET
<u>OPERATIONS</u>			
Expenditures	\$4,075,020	\$4,518,250	\$5,104,680
Recoveries	88,000	\$88,000	90,000
Net Program Cost	\$3,987,020	\$4,430,250	\$5,014,680
<u>CAPITAL</u>			
Expenditures	\$2,497,700	\$2,397,950	\$315,500
Revenue	2,495,200	\$2,395,030	313,000
Net Capital Cost	\$2,500	\$2,920	\$2,500

REGIONAL LANDFILL - OPERATING BUDGET

25-Jan-23

ACCOUNT TITLE		2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES				
SALARIES & BENEFITS				
14104.1101	Salaries & Wages	\$708,710	\$701,800	\$722,580
14104.1101	Summer Students	50,400	30,350	50,380
14104.1200	Benefits	253,230	241,080	262,700
14104.1200	Benefits - Post Retirement (2)	6,970	7,120	14,680
		\$1,019,310	\$980,350	\$1,050,340
STAFF EXPENSES				
14104.3001	Mileage	\$100	\$0	\$100
14104.3002	Training	3,000	3,800	3,000
14104.3003	Workshop/Seminars	1,000	0	1,000
14104.3006	Clothing	5,000	4,600	5,000
14104.3098	Other	200	700	500
		\$9,300	\$9,100	\$9,600
OFFICE EXPENSES				
14104.3101	Telephones/Radios	\$16,000	\$13,600	\$14,000
14104.3109	Courier	500	500	500
14104.3111	Printing - Inc. Weighscale Receipts/Copier Toner	500	500	500
14104.3204	Computer Maintenance, Geoware & GPS Software Support	10,650	9,850	12,500
14104.3695	Security & Fire Monitoring	4,000	5,000	5,000
14104.3198	Office Supplies & Other	500	600	500
14104.3102	MOECC Fees - Inc. Manifest Fees	3,000	4,500	4,500
		\$35,150	\$34,550	\$37,500
PURCHASED SERVICES				
14104.3311	Hydrogeological Monitoring Program - Including Capital Expense	\$255,000	\$254,400	\$182,000
14104.3310	Leachate Monitoring	26,500	26,300	26,300
14104.3315	Other Monitoring	7,000	7,000	7,000
14104.3337	Alternative Leachate Management Plan	10,000	10,000	20,000
14104.3338	Landfill Gas Management - IGRS	92,000	92,000	94,000
		\$390,500	\$389,700	\$329,300
OPERATING COSTS				
LEACHATE MANAGEMENT				
14104.3605	Leachate Hauling	\$407,500	\$543,000	\$650,000
14104.3606	Leachate Treatment	181,500	236,860	609,300
		\$589,000	\$779,860	\$1,259,300
FUEL				
14104.3609	Fuel - Diesel - Heavy Equipment/Grass Equipment	\$365,000	\$582,100	\$592,000
14104.3253	Fuel - Gasoline - Vehicles	16,000	22,000	22,000
		\$381,000	\$604,100	\$614,000
LANDFILLING EQUIPMENT				
14104.3607	Loan Pmt to Equip Rep Res - Heavy Equip. - (2 units)	\$197,610	\$197,610	\$197,610
14104.3607	Loan Interest - Heavy Equipment - Bulldozers	9,400	14,140	20,130
14104.3608	Maintenance/Repairs/Oil/Grease/Other Consumables	260,000	272,000	275,000
14104.4102	Contribution to Equipment Replacement Reserve	450,000	450,000	450,000
		\$917,010	\$933,750	\$942,740
VEHICLES				
14104.3252	Maintenance/Repairs/Oil/Grease/Other Consumables	\$7,500	\$4,300	\$7,500
GRASS EQUIPMENT				
14104.3262	Maintenance/Repairs/Oil/Grease/Other Consumables	\$8,000	\$8,000	\$8,000
ANCILLARY LANDFILL EQUIPMENT				
14104.3272	Maintenance/Repairs/Oil/Grease/Other Consumables	\$36,000	\$38,000	\$36,700

REGIONAL LANDFILL - OPERATING BUDGET

25-Jan-23

ACCOUNT TITLE		2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES				
OTHER OPERATING COSTS				
14104.3201	Other Equipment Maintenance	\$5,000	\$4,600	\$5,500
14104.3230	Scale Maintenance	4,000	3,850	4,000
14104.3231	Methane Detection Calibration & Repairs	16,200	5,200	8,500
14104.3232	Safety Supplies	6,000	2,000	4,000
14104.3233	Grounds Maintenance	8,000	21,500	17,000
14104.3237	Roads Maintenance	30,000	22,400	30,000
14104.3238	Building Maintenance - Other	7,500	16,600	10,000
14104.3239	Leachate Collection System Maintenance (Flushing - 2023)	20,000	43,000	70,000
14104.3242	Leachate Land Application System Maintenance	45,000	21,000	55,000
14104.3312	Bird Control	3,000	1,200	3,000
14104.3403	Utilities	50,000	47,100	48,000
14104.3405	Building Maintenance - Janitorial	6,000	6,700	6,700
14104.3501	Flare Material & Operations Costs re. Gas Collection System	5,000	6,300	8,000
14104.3610	Landfilling Equipment Operators	420,000	484,330	483,000
14104.3612	Grading & Seeding	10,000	5,000	0
14104.3614	Geotextiles (Tarps)	4,000	0	0
14104.3620	Grant-in-lieu of taxes	28,050	28,960	29,500
14104.3621	Bin Hauling - Metal	2,500	2,000	2,500
14104.3693	Miscellaneous Equipment Rental	5,000	9,300	18,000
14104.3698	Other Operating Costs	7,000	5,500	7,000
		\$682,250	\$736,540	\$809,700
	TOTAL OPERATING COSTS	\$2,620,760	\$3,104,550	\$3,677,940
	TOTAL EXPENDITURES	\$4,075,020	\$4,518,250	\$5,104,680
RECOVERY				
14104.6720	Recovery of Wages & Benefits from LF#2 Perpetual Care	\$42,000	\$42,000	\$43,000
14104.6720	Recovery of Wages & Benefits from LF#3 Perpetual Care	46,000	46,000	47,000
		\$88,000	\$88,000	\$90,000
	NET EXPENDITURES	\$3,987,020	\$4,430,250	\$5,014,680
CAPITAL EXPENDITURES				
14104.3809	Computer Hardware & Software	\$2,500	\$14,200	\$2,500
14104.3805	Pickup Truck	51,000	42,890	0
14104.3898	Other - Clay Capping Project	0	0	103,000
14104.3898	Other - Bull Litter Fence	67,600	0	70,000
14104.3898	Other - Methane Detection Maintenance Building	52,400	0	75,000
14104.3898	Other - GPS Rover	0	0	45,000
14104.3804	Landfilling Equipment - Light Plant	0	0	20,000
14104.3804	Landfilling Equipment - CAT 330 Excavator	352,500	358,680	0
14104.3804	Landfilling Equipment - CAT 836K Compactor	1,374,800	1,374,800	0
14104.3804	Landfilling Equipment - CAT 730 Rock Truck	596,900	607,380	0
		\$2,497,700	\$2,397,950	\$315,500

REGIONAL LANDFILL - OPERATING BUDGET

25-Jan-23

ACCOUNT TITLE		2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES				
RECOVERIES (RE: CAPITAL EXPENDITURES)				
14104.6725	Sale of Surplus Equipment - Bucket/Flail Mower/Truck	\$0	\$11,280	\$0
14104.6820	Contrib. from Equip. Replace. Res. - Pickup Truck	47,000	42,890	0
14104.6725	Sale of Surplus Equipment - 2010 F150 Pickup Truck	4,000	0	0
14201.6806	Contrib. from Rate Stab. Reserve - Clay Capping Project	0	0	103,000
14104.6820	Contrib. from Equip. Replace. Res. - Light Plant	0	0	20,000
14104.6820	Contrib. from Equip. Replace. Res. - Bull Litter Fence	67,600	0	70,000
14104.6820	Contrib. from Equip. Replace. Res. - Methane Detection Maintenance Building	52,400	0	75,000
14104.6820	Contrib. from Equip. Replace. Res. - GPS Rover	0	0	45,000
14104.6820	Contrib. from Equip. Replace. Res. - CAT 836K Compactor	1,138,800	1,138,800	0
14104.6725	Sale of Surplus Equipment - CAT 836K	236,000	236,000	0
14104.6820	Contrib. from Equip. Replace. Res. - CAT 330 Excavator	282,500	277,380	0
14104.6725	Sale of Surplus Equipment - CAT 326FL Excavator	70,000	81,300	0
14104.6820	Contrib. from Equip. Replace. Res. - CAT 730 Rock Truck	454,650	374,610	0
14104.6725	Sale of Surplus Equipment - Rock Truck CAT 725C	142,250	232,770	0
		\$2,495,200	\$2,395,030	\$313,000
NET CAPITAL EXPENDITURES		\$2,500	\$2,920	\$2,500

FILE:REGIONAL LANDFILL - OPERATING



Notes to the 2023 Budget Regional Landfill Site

Expenses

Salaries and Benefits

The salaries and benefits accounts reflect an approved staff complement of one full-time Waste Disposal Supervisor, one full-time and one part-time scale clerk, two full-time inspectors, one full-time environmental technician (who also performs monitoring functions at closed Landfill Sites 2 and 3 on a charge-back basis), and five full-time labourers, three of which are skilled positions and two which are manual labourer positions. The labourers also perform maintenance functions at the closed landfill sites on a charge-back basis.

Purchased Services

The Hydrogeological Monitoring Program includes costs associated with the data collection, analyses and report preparation on groundwater, sediment, leachate collector systems and air emissions at the regional landfill site. The 2023 budget reduction is due to the air quality testing only needing to be done every 5 years which was done in 2022.

The 2023 budget includes professional fees surrounding alternative leachate management plans.

Operating Cost

Leachate Management

Leachate hauling and treatment costs in 2022 are higher due to the increasing size of the landfill and expanding tipping face. In addition, the increase in tonnage from organic waste contributed to higher leachate levels. The Authority hauls the Regional Landfills leachate to the Lou Romano Water Reclamation Plant, a City of Windsor owned and operated facility. The City of Windsor has increased the per tonne price to treat the leachate for the 2023 fiscal year. The 2023 budget reflects that increase in costs as it relates to the treatment of leachate. The 2023 leachate tonnes are expected to remain consistent with 2022 levels.

Fuel

Fuel costs for 2022 are higher than budgeted due to the rise in fuel costs. The 2023 budget assumes a three-year average of fuel consumption multiplied by the most recent 2022 cost per litre.

Landfilling Equipment Loan Repayment and Interest Charges

The purchase of 2 pieces of heavy equipment for the Regional Landfill Site have been financed by borrowing from Reserves and paying back the reserves over the useful life of the equipment.

The maintenance and repair account consists of maintenance contract costs based on machine hours for certain pieces of equipment and general repair and maintenance costs for older pieces of equipment. The maintenance contract for each piece of equipment is adjusted annually based on the Consumer Price Index.

Other

The leachate land application system maintenance account is over budget in 2022 due to the repair and replacement of a leachate aerator and pump station motor. The 2023 budget includes the flushing of the leachate collection system which is required to be completed every two years.

The Authority contracts out the labour to operate the heavy equipment at the Regional Landfill. The contractor is paid a contracted rate for each actual hour of labour. The rate is adjusted annually based on the Consumer Price Index. The 2022 costs are higher than budgeted due to an increase in labour hours. The 2023 budget reflects hours to be similar to operator hours in 2022 with an adjusted labour rate on the account of the annual rate increase.

The Town of Essex is paid a Grant-in-Lieu of taxes annually. The payments have increased in recent years due to an increased MPAC assessment.

Capital Expenses

The 2023 budget includes the costs of hiring a contractor to cap a portion of the Regional Landfill that is not at a finished grade. The purpose is to assist with reducing leachate levels by allowing precipitation to run off the landfill rather than infiltrating the leachate system. A one-time contribution from the Rate Stabilization Reserve will assist with funding this project. Other 2023 budgeted capital includes the purchase of bull litter fences, upgrades to the methane detection system, a GPS rover and a Light Plant. Funding for these capital items will come from the equipment replacement reserve.

**TRANSFER STATION NO. 1 (WINDSOR)
SUMMARY**

	2022 BUDGET	2022 PROJECTION	2023 BUDGET
<u>OPERATING</u>			
Expenditures	\$2,053,360	\$2,136,380	\$2,377,830
<u>CAPITAL</u>			
Expenditures	\$90,000	\$0	\$110,000
Revenue	90,000	0	110,000
Net Capital Cost	\$0	\$0	\$0

TRANSFER STATION 1 - (WINDSOR)

25-Jan-23

ACCOUNT TITLE		2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES				
WAGES, SALARIES & BENEFITS - CITY OF WINDSOR				
14105.3600	Wages - Push Pit Operator	\$89,410	\$89,410	\$123,860
14105.3600	Wages - Overtime	12,760	17,760	16,010
14105.3600	Wages - Utility Attendant (see also 50% Depot)	49,970	49,970	51,040
14105.3600	Benefits	63,600	63,600	75,690
14105.3600	Overhead	84,220	85,170	98,350
		\$299,960	\$305,910	\$364,950
OFFICE EXPENSES & OCCUPANCY COSTS				
14105.3792	Telephone	\$480	\$500	\$500
14105.3645	Utilities	44,000	44,000	44,000
14105.3647	Security	120	0	120
14105.3648	Janitorial	10,000	10,000	10,000
		\$54,600	\$54,500	\$54,620
OPERATING COSTS				
14105.3640	Waste Hauling	\$1,440,000	\$1,538,370	\$1,714,300
14105.3649	Rental Equipment	1,000	500	1,000
14105.3650	Equipment Repairs & Maintenance	35,000	34,000	35,000
14105.3651	Building Repairs & Maintenance	14,000	10,500	14,000
14105.3652	Miscellaneous Expense	1,000	1,000	1,000
14105.3656	Site Maintenance/Concrete & Asphalt Repairs	20,000	1,000	1,000
14105.3657	Loan Repay to Equip. Replacement Reserve - Building & Engineering (2008-27)	79,000	79,000	79,000
14105.3657	Interest on Loan from Equip. Replacement Reserve - Building & Engineering	6,000	9,100	10,160
14105.3780	Sprinkler Repairs & Maintenance	2,800	2,500	2,800
14105.4102	Contribution to Equipment Replacement Reserve	100,000	100,000	100,000
		\$1,698,800	\$1,775,970	\$1,958,260
TOTAL OPERATING EXPENDITURES		\$2,053,360	\$2,136,380	\$2,377,830
CAPITAL EXPENSES				
14105.3801	Capital - Compactor Chute Rebuild	\$90,000	\$0	\$0
14105.3801	Capital - Paving and Concrete Rebuild	0	0	110,000
TOTAL CAPITAL EXPENDITURES		\$90,000	\$0	\$110,000
RECOVERIES (RE: CAPITAL EXPENDITURES)				
14105.6820	Contrib. from Equip. Replacement Reserve - Compactor Chute Rebuild	\$90,000	\$0	\$0
14105.6820	Contrib. from Equip. Replacement Reserve - Paving and Concrete Rebuild	0	0	110,000
		\$90,000	\$0	\$110,000
NET CAPITAL EXPENDITURES		\$0	\$0	\$0



Notes to the 2023 Budget Transfer Station #1

Expenses

In October 2006 the City of Windsor and County of Essex approved an Amendment to the May 1994 Agreement that created the Authority regarding Transfer Station No. 1. The Transfer Station was assigned to the Authority as part of the facilities of the integrated waste management system operated by the Authority. It was agreed that the Authority would continue to contract with the City for the necessary employees and supervision for the day to day operations of Transfer Station 1.

Salaries and Benefits

These expenses represent the charge from the City of Windsor to the Authority to provide the transfer station operator and utility attendant. The cost of the utility attendant is split on a 50 – 50 basis with the Windsor Public Drop Off Depot budget as this individual's responsibility is to provide relief for the scale staff and transfer station staff as well as maintain the areas around the bins at the depot and around the push pits at the transfer station. The full cost of the supervisor responsible for the depot and transfer station is found within the Depot budget.

Operating Costs

The waste hauling account is for the contractor who hauls waste delivered to Transfer Station 1 to the Essex-Windsor Regional Landfill for disposal. The waste hauled from Transfer Station 1 includes: municipal waste from Windsor, Tecumseh and Lakeshore; ICI waste; waste from the Public Drop Off Depot bins; and, residual waste from the Recycling Centre. The 2022 projection is higher than budgeted due to increasing tonnages. The 2023 budget uses a three-year average to estimate the tonnage and also includes an annual price increase.

Loan Repayment & Interest – Building & Engineering

Between 2006-2008 the Transfer Station building was retrofitted, financing for this project was through a loan from the Equipment Replacement Reserve in the amount of \$1,581,448 payable over a 20 year period plus interest.

Contribution to Equipment Replacement Reserve – Push Pits & Compactors

In 2008 new push pits and compactors were acquired for the Transfer Station building, and a contribution to the equipment replacement reserve is made annually to fund major equipment repairs and replacements.

Capital Expenses

The 2023 budget includes the cost of paving and rebuilding the concrete in the transfer building. The funding for this capital item will be a contribution from the equipment replacement reserve.

TRANSFER STATION 2/PUBLIC DROP-OFF DEPOT - (KINGSVILLE)

25-Jan-23

ACCOUNT TITLE		2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES				
SALARIES & BENEFITS				
14106.1101	Salaries & Wages	\$149,000	\$166,680	\$151,430
14106.1200	Benefits	50,840	55,100	53,210
14106.1200	Benefits - Post Retirement	6,970	7,560	7,560
		\$206,810	\$229,340	\$212,200
STAFF EXPENSES				
14106.3002	Training	\$50	\$50	\$500
14106.3006	Clothing	890	890	890
		\$940	\$940	\$1,390
OFFICE EXPENSES				
14106.3101	Telephone & Internet	\$2,400	\$3,550	\$3,000
14106.3111	Weighscale Receipts	200	200	200
14106.3204	Geoware Software Support & Computer Maintenance	4,200	4,200	4,200
14106.3232	Safety Supplies	500	500	500
14106.3322	Security & Fire Monitoring	8,000	8,000	8,000
		\$15,300	\$16,450	\$15,900
OCCUPANCY COSTS				
14106.3403	Utilities	\$4,800	\$4,800	\$4,800
14106.3409	Grant In Lieu of Taxes	9,500	10,650	10,900
		\$14,300	\$15,450	\$15,700
OPERATING COSTS				
14106.3201	Other Equipment Maintenance	\$300	\$100	\$300
14106.3230	Scale Maintenance	4,000	6,250	6,000
14106.3236	Grounds Maintenance	5,500	3,500	15,500
14106.3237	Roads Maintenance	5,000	1,500	5,000
14106.3238	Building Maintenance	7,000	21,500	7,000
14106.3608	Equipment Maintenance	33,000	30,000	33,000
14106.3609	Fuel - Diesel	15,200	25,000	25,400
14106.3610	Equipment Operator	136,000	138,800	144,000
14106.3621	Waste Hauling	265,800	263,000	305,000
14106.3622	Bin Hauling - OCC/Metal	1,400	10,200	11,500
14106.3698	Other Operating Costs - Inc. Signage	1,500	3,000	4,900
14106.4102	Contribution to Equipment Replacement Reserve	45,000	45,000	45,000
		\$519,700	\$547,850	\$602,600
TOTAL OPERATING EXPENDITURES		\$757,050	\$810,030	\$847,790
REVENUE				
14106.6798	Scrap Metal and Used Auto Batteries Sales	\$13,000	\$21,400	\$15,000
CAPITAL EXPENSES				
14106.3809	Computer Hardware & Software	\$1,000	\$650	\$1,500
14106.3807	Capital Misc. - Asphalt (2023)	70,000	0	50,000
14106.3807	Capital Misc. - Scale House Rebuild	0	0	130,000
14106.3807	Capital Misc. - Engin./Design/Const. Push Wall	125,000	91,400	0
		\$196,000	\$92,050	\$181,500
RECOVERIES (RE: CAPITAL EXPENDITURES)				
14106.6820	Cont. from Equip. Replace. Res. - Asphalt	\$70,000	\$0	\$50,000
14106.6820	Contrib. from Equip. Replace. Res. - Scale House Rebuild	0	0	130,000
14106.6820	Cont. from Equip. Replace. Res. - Push Wall	125,000	91,400	0
		\$195,000	\$91,400	\$180,000
NET CAPITAL EXPENDITURES		\$1,000	\$650	\$1,500



Notes to the 2023 Budget Transfer Station #2

Expenses

Salaries and Benefits

The salary and benefit accounts are for the full time and part time scale clerks and the full time waste inspector. Some additional overtime was observed in 2022 that accounted for the variance from the 2022 budget.

Operating Costs

Waste Hauling

This account is for the contractor who hauls waste delivered to Transfer Station 2 to the Essex-Windsor Regional Landfill for disposal. The wastes hauled from Transfer Station 2 includes: municipal waste from Kingsville and Leamington, ICI waste, and residentially delivered waste. The 2022 projection is in line with the 2023 budget. The 2023 budget increase is due to the increase in the annual price increase under contract.

Equipment Operators

The Authority contracts out the labour to operate the heavy equipment at the Transfer Station, the contractor is paid a contracted rate for each actual hour of labour. The 2022 projection is in line with the 2022 budget however the 2023 budget increase is due to the annual price increase under contract. The rate is adjusted annually based on the Consumer Price Index.

Contribution to Equipment Replacement Reserve

The 2023 budgeted contribution to the Equipment Replacement Reserve for the replacement of machinery and equipment is consistent with prior years.

Capital Expenses

The 2022 budget included asphalt work that was postponed to 2023. The 2023 budget includes the cost of rebuilding the transfer station scale house. The funding for these capital items will be a contribution from the equipment replacement reserve.

**ESSEX - WINDSOR DROP - OFF DEPOT (WINDSOR)
SUMMARY**

	2022 BUDGET	2022 PROJECTION	2023 BUDGET
<u>OPERATING</u>			
Expenditures	\$1,420,370	\$1,462,670	\$1,597,340
Revenue	187,800	163,540	165,000
Net Program Cost	\$1,232,570	\$1,299,130	\$1,432,340
<u>CAPITAL</u>			
Expenditures	\$5,000	\$4,000	\$5,000
Revenue	0	0	0
Net Capital Cost	\$5,000	\$4,000	\$5,000

ESSEX - WINDSOR DROP-OFF DEPOT (WINDSOR)

<u>ACCOUNT TITLE</u>	<u>2022 BUDGET</u>	<u>2022 PROJECTION</u>	<u>2023 BUDGET</u>
<u>EXPENDITURES</u>			
<u>WAGES, SALARIES & BENEFITS - CITY OF WINDSOR</u>			
14304.3753 Wages - Weighscale Operators	\$172,920	\$172,920	\$176,720
14304.3753 Wages - Depot Hill Attendant	85,230	85,230	119,620
14304.3753 Wages - Utility Attendant (see also 50% Trans. Stn.)	49,970	49,970	51,040
14304.3753 Overtime	35,400	40,400	40,450
14304.3753 Wages - Students	37,130	37,130	37,900
14304.3753 Salaries - Supervisors (for Depot and Trans. Stn.)	106,670	106,670	108,950
14304.3753 Benefits	123,740	123,740	137,160
14304.3753 Overhead	104,410	105,760	115,100
	\$715,470	\$721,820	\$786,940
<u>OFFICE EXPENSES</u>			
14304.3796 Printing - Weigh Scale Tickets	\$1,000	\$800	\$1,000
14304.3403 Utilities (Allocation)	12,500	12,500	12,500
14304.3792 Telephone	200	0	200
14304.3791 Office Supplies	500	100	500
14304.3204 Computer Maintenance & Geoware Software Support	11,100	10,600	11,100
	\$25,300	\$24,000	\$25,300
<u>OPERATING COSTS</u>			
14304.3766 Pick-ups, Sweeper (City of Windsor supplied)	\$14,200	\$14,200	\$14,200
14304.3767 Backhoe - Fuel - R&M	20,600	25,000	28,000
14304.3790 Grant -In- Lieu of Property Taxes	31,600	31,150	31,800
14304.3764 Public Disposal Area Bin Hauling	458,000	511,000	560,000
14304.3795 Security Monitoring, Repairs & Patrol	2,000	2,000	2,000
14304.3233 Grounds Maintenance Inc. Signage	34,000	34,000	34,000
14304.3238 Scalehouse Maintenance - Other/Janitorial	18,000	18,000	19,000
14304.3230 Scale Maintenance	17,500	17,500	17,500
14304.3235 Depot Repairs & Maintenance	20,000	19,800	20,000
14304.3698 Other Operating Costs	1,500	1,200	1,500
14304.3621 Metal Bins Hauling	32,200	15,000	28,100
14304.3622 Railway Ties Bin Hauling/Freight	5,000	3,000	4,000
14304.4102 Contribution to Equipment Replacement Reserve	25,000	25,000	25,000
	\$679,600	\$716,850	\$785,100
TOTAL EXPENDITURES	\$1,420,370	\$1,462,670	\$1,597,340
<u>REVENUE</u>			
14304.6728 Sale of Metal	\$187,800	\$163,540	\$165,000
<u>CAPITAL EXPENDITURES</u>			
14304.3807 Computer Hardware and Security Systems (Inc. Cameras)	\$5,000	\$4,000	\$5,000
	\$5,000	\$4,000	\$5,000



Notes to the 2023 Budget Public Drop Off Depot (Windsor)

Expenses

Salaries & Benefits – City of Windsor

These expenses represent the charge from the City of Windsor to the Authority to provide the supervisor, scale operators, depot attendant and utility attendant. The cost of the utility attendant is split on a 50 – 50 basis with the Transfer Station 1 budget as this individual's responsibility is to provide relief for the scale staff and transfer station staff as well as maintain the areas around the bins at the depot and around the push pits at the transfer station. The full cost of the supervisor responsible for the depot and transfer station is found within the Depot budget.

Operating Costs

Bin Hauling

In 2022 the Authority entered into a new Public Disposal Area Bin Hauling contract with a term date of January 1, 2021 to December 31, 2028. The 2022 projection is higher than the budget due to an increasing number of loads. The 2023 budget increase is attributable to the annual price increase. The rate is adjusted annually based on the Consumer Price Index.

Capital

The 2022 and 2023 budgets include upgrades to security, computer and camera equipment on the site.

**REGIONAL LANDFILL - OTHER
SUMMARY**

	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES	\$8,942,020	\$9,901,580	\$9,909,870
<u>CAPITAL</u>			
Expenditures	\$500,000	\$88,970	\$831,800
Revenue	500,000	88,970	831,800
Net Capital Cost	\$0	\$0	\$0

REGIONAL LANDFILL - OTHER

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENSES			
14201.4103 Contrib. to Reg LF Debt Retire. Res. - Sun Life Debenture	\$5,658,100	\$5,658,100	\$5,879,400
14104.4123 Contribution to Perpetual Care Reserve - <i>\$500,000 annual contribution was suspended effective 2012. Contributions will begin again in 2032 after the last debenture payment is made in 2031.</i>	0	0	0
14104.3690 Annual Residential Compensation - \$0.318/tonne	81,880	112,500	104,900
14104.3615 Town of Essex Host Compensation January - June 2022 - \$9.949/tonne July - December 2022 - \$10.735/tonne	2,592,960	3,521,900	3,284,500
14104.3630 Loan Repayment to Reserves - Development of Cells 3, 4	584,080	584,080	616,070
14104.3630 Interest on Loan from ERR - Cell #3 South	25,000	25,000	25,000
TOTAL EXPENDITURES	\$8,942,020	\$9,901,580	\$9,909,870
CAPITAL EXPENSES			
14104.3834 Regional Landfill - Gas collection wellfield installation; blower; engineering/ consulting (Per Ontario Reg. 347)	\$500,000	\$88,970	\$500,000
14201.3864 Consultant - Engineering Design for Cell # 5 North	0	0	331,800
TOTAL CAPITAL EXPENDITURES	\$500,000	\$88,970	\$831,800
RECOVERIES (RE: CAPITAL EXPENDITURES)			
14201.6804 Contribution for Regional Landfill Reserve - Gas Collection	\$500,000	\$88,970	\$500,000
14201.6801 Cont. for Future Cell Development Reserve - Engineering Design for Cell #5 North	0	0	331,800
	\$500,000	\$88,970	\$831,800
NET CAPITAL EXPENDITURES	\$0	\$0	\$0

REGIONAL LANDFILL - OTHER - BUDGET

**ESSEX - WINDSOR SOLID WASTE AUTHORITY
REGIONAL LANDFILL DEBT RETIREMENT RESERVE**

OPENING RESERVE BALANCE IS COMPRISED OF:

\$7,146,880 AMT. REC'D RE: HOLIDAY PAYMENTS - FROM MFP SETTLEMENT

\$1,732,022 AMT. RE: 2004 OPERATING SURPLUS

\$1,667,393 JULY-DEC 2005 LIFT1 PAYMENTS NOT MADE

\$10,546,295 + \$90,213.71 2005 interest earned = **\$10,636,508.71 bal. @ 12/31/05**

**INTEREST RATE 2.00% 1.0369859 ANNUAL FACTOR (=3.78%+1)
3.70% ANNUAL FACTOR %**

YEAR	RESERVE BALANCE	ACTUAL & ESTIMATED INTEREST EARNED	ANNUAL CONTRIBUTION	SUN LIFE DEBENTURE PAYMENT	ESTIMATED RESERVE BALANCE
2006	\$10,636,509	\$423,270	\$3,335,000	\$3,069,266	\$11,325,512 <i>Actual</i>
2007	\$11,325,512	\$472,001	\$3,441,000	\$3,258,735	\$11,979,778 <i>Actual</i>
2008	\$11,979,778	\$319,284	\$3,551,200	\$3,451,879	\$12,398,383 <i>Actual</i>
2009	\$12,398,383	\$78,528	\$3,664,400	\$3,648,766	\$12,492,544 <i>Actual</i>
2010	\$12,492,544	\$96,784	\$3,664,400	\$3,849,470	\$12,404,258 <i>Actual</i>
2011	\$12,404,258	\$142,298	\$3,901,970	\$4,054,065	\$12,394,461 <i>Actual</i>
2012	\$12,394,461	\$140,836	\$4,026,450	\$4,262,624	\$12,299,123 <i>Actual</i>
2013	\$12,299,123	\$138,515	\$4,154,890	\$4,475,229	\$12,117,299 <i>Actual</i>
2014	\$12,117,299	\$149,472	\$4,287,430	\$4,691,954	\$11,862,246 <i>Actual</i>
2015	\$11,862,246	\$184,558	\$4,440,990	\$4,912,882	\$11,574,912 <i>Actual</i>
2016	\$11,574,912	\$207,949	\$4,600,500	\$5,138,093	\$11,245,268 <i>Actual</i>
2017	\$11,245,268	\$212,825	\$4,765,420	\$5,367,671	\$10,855,842 <i>Actual</i>
2018	\$10,855,842	\$249,616	\$4,936,830	\$5,601,700	\$10,440,588 <i>Actual</i>
2019	\$10,440,588	\$255,006	\$5,101,720	\$5,840,267	\$9,957,048 <i>Actual</i>
2020	\$9,957,048	\$165,675	\$5,278,100	\$6,083,460	\$9,317,363 <i>Actual</i>
2021	\$9,317,363	\$119,344	\$5,461,370	\$6,331,369	\$8,566,708 <i>Actual</i>
2022	\$8,566,708	\$152,700	\$5,658,100	\$6,584,087	\$7,793,421 <i>Projected</i>
2023	\$7,793,421	\$155,868	\$5,879,400	\$6,841,704	\$6,986,985
2024	\$6,986,985	\$139,740	\$6,096,855	\$6,918,068	\$6,305,511
2025	\$6,305,511	\$126,110	\$6,322,352	\$6,417,113	\$6,336,861
2026	\$6,336,861	\$126,737	\$6,556,190	\$5,996,500	\$7,023,288
2027	\$7,023,288	\$140,466	\$6,798,676	\$6,037,087	\$7,925,343
2028	\$7,925,343	\$158,507	\$7,050,131	\$6,050,180	\$9,083,802
2029	\$9,083,802	\$181,676	\$7,310,886	\$6,031,460	\$10,544,904
2030	\$10,544,904	\$210,898	\$7,581,286	\$10,792,682	\$7,544,405
2031	\$7,544,405	\$150,888	\$7,861,686	\$15,556,979	\$0
	\$10,636,509	\$4,899,550	\$135,727,232	<u>\$151,263,290</u>	
					<u>\$151,263,291</u>



Notes to the 2023 Budget Regional Landfill Other

Expenses

Debt Retirement Reserve Contribution

On October 4, 2005, the Board of Directors of the Authority adopted a schedule of contributions to the Debt Retirement Reserve to the year 2031 to meet the debenture payments to Sun Life for the capital required to construct the Regional Landfill. In general, the schedule adds in excess of \$204,000 a year to the budget. The scheduled increase from 2022 to 2023 is \$221,300.

Contribution to Perpetual Care Reserve Fund

The Authority has approved a Perpetual Care Reserve Fund for the Regional Landfill Site in order to have a pool of money available to cover perpetual care costs when the Regional Landfill is eventually closed. The annual amount to be contributed to the Fund is based on a number of factors, including annual tonnage, the projected site life, and compaction ratios. The firm of KPMG was engaged in 2006 to review the key assumptions used by management of the Authority in calculating the annual contribution to the Reserve. Their report, received by the Board of the Authority on June 6, 2006, noted KPMG "are satisfied as to the current reasonableness of these assumptions". The contribution to the Reserve until 2011 was budgeted at \$500,000.

During the Business Review completed in 2011 by Stantec, it was recommended that the annual contribution to the Perpetual Care Reserve be suspended until 2031 when the Sun Life debenture is fully paid. At that time the annual contribution to the Debt Retirement Reserve will be approx. \$7.1M. It is the consultant's recommendation that at that time the \$7.1M available funds be contributed to the Perpetual Care Reserve until the landfill is at capacity (estimated at 2040 based on current tonnage levels).

Town of Essex Compensation

The host municipal agreements originally signed by the City, County and Authority with the Townships of Colchester North and Colchester South require that compensation be paid to the host municipality. The Town of Essex is now the beneficiary of those payments following municipal amalgamation.

Loan Repayment & Interest

In 2018 the Authority constructed Cell #3 South at the Regional Landfill. Funding for this project included a contribution from both the Future Cell Development Reserve and the Rate Stabilization Reserve (see the budget detail page for breakdown). The balance of the cost to develop the cell was budgeted to be loaned from the Rate Stabilization Reserve and repaid over 5 years plus interest. The first loan payment was made in 2022. The loan payment and interest have been adjusted in the 2023 budget as per the approved loan repayment schedule. The final loan payment for the construction of Cell #4 North was made in 2022.

Capital Expenses

The 2022 budget includes an estimate for the engineering, material and construction cost for the expansion of the landfill gas collection wellfield required per Ontario Regulation 347. This project was deferred to 2023. The 2022 projection included the costs to repair the flair stack at the Regional Landfill. A contribution from the Regional Landfill Reserve will fund this project.

The 2023 budget includes the consultant fees for the engineering design for Cell # 5 North. A contribution from the Future Cell Development Reserve will fund this project.

**PERPETUAL CARE SITE NO. 2
SUMMARY
Kingsville and Leamington**

	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES	\$300,500	\$279,100	\$362,300
RECOVERIES	225,130	225,130	331,010
NET RECOVERIES (EXPENDITURES)	(\$75,370)	(\$53,970)	(\$31,290)
Accum. Surplus - Beg. of Year	\$75,370	\$85,260	\$31,290
Accum. Surplus - End of Year	\$0	\$31,290	\$0

PERPETUAL CARE SITE 2 - Kingsville and Leamington

ACCOUNT TITLE		2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES				
SALARIES & BENEFITS				
14102.3336	Salaries, Wages & Benefits	\$47,000	\$47,000	\$48,000
		\$47,000	\$47,000	\$48,000
PURCHASED SERVICES				
14102.3311	Consulting - Hydrogeology & Well Repair/Decomm.	\$72,500	\$72,500	\$72,000
14102.3696	EWSWA Administration Fee	15,000	15,000	15,000
		\$87,500	\$87,500	\$87,000
OCCUPANCY COSTS				
14102.3401	Insurance	\$22,000	\$22,000	\$24,300
14102.3403	Utilities	2,400	2,400	2,400
14102.3340	CSX - Right-of-Way Lease	2,100	2,100	2,100
		\$26,500	\$26,500	\$28,800
OPERATING COSTS				
14102.3606	Leachate Treatment	\$90,000	\$84,100	\$90,000
14102.3233	Grass & Trees Maintenance	5,000	5,000	7,500
14102.3236	Grounds Maintenance	25,000	0	25,000
14102.3239	Leachate Collection System (Flushing 2023)	1,000	0	11,000
14102.3241	Leachate - Forcemain Maintenance	17,500	28,000	64,000
14102.3253	Vehicle Operating Costs (Consumables)	1,000	1,000	1,000
		\$139,500	\$118,100	\$198,500
TOTAL EXPENDITURES		\$300,500	\$279,100	\$362,300
RECOVERIES				
14102.6520	Contributions from Municipalities	\$225,130	\$225,130	\$331,010
TOTAL RECOVERIES		\$225,130	\$225,130	\$331,010
Excess of Recoveries over Expenditures (Expenditures over Recoveries)		(\$75,370)	(\$53,970)	(\$31,290)
Accumulated Surplus (Deficit) - Beg. of Year		\$75,370	\$85,260	\$31,290
Accumulated Surplus (Deficit) - End of Year		\$0	\$31,290	\$0

2023

PERPETUAL CARE - LANDFILL SITE NO. 2

Cost Recovery From Municipalities

MUNICIPALITY	SHARE OF PERPETUAL CARE	2023 REQUIRED FROM MUNICIPALITY	2022 REQUIRED FROM MUNICIPALITY
Kingsville	25.10%	\$83,084	\$56,508
Leamington	74.90%	\$247,926	\$168,622
	100.00%	\$331,010	\$225,130



Notes to the 2023 Budget Perpetual Care – Landfill #2

Expenses

Salaries & Benefits

This account is for the share of the payroll costs for labourers to perform grounds maintenance and grass cutting activities; one week of the services of the Environmental Technician for monitoring activities; and, a share of the salaries of the Manager of Waste Disposal and Supervisor of Waste Disposal.

Purchased Services

The Consulting – Hydrogeology & Well Repair pertains to the compliance monitoring and the decommissioning and replacement of damaged wells. The EWSWA Administration Fee is related to staff time required by the General Manager, Finance Manager, Admin. Assistant, Exec. Secretary and Accounting Clerks.

Operating Costs

With the closure of the site in 1993, the only remaining major operating cost is for leachate treatment. The 2022 projection is lower than budgeted due to the lower volume of leachate at the site and reduced costs surrounding ground maintenance. The leachate is set at \$90,000 in 2023 to reflect the historical costs of processing leachate generation for the site.

In 2022 a leachate pump required replacement which accounts for the variance in the 2022 budget. The 2023 budget includes the repair and replacement of aging leachate pumps.

Capital

There are no capital projects budgeted in 2023.

**PERPETUAL CARE SITE NO. 3
SUMMARY
Windsor, Tecumseh & Lakeshore**

	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES	\$824,670	\$724,770	\$754,000
RECOVERIES	687,530	687,530	554,640
NET (EXPENDITURES)	(\$137,140)	(\$37,240)	(\$199,360)
Accum. Surplus - Beg. of Year	\$137,140	\$236,600	\$199,360
Accum. Surplus - End of Year	\$0	\$199,360	\$0

25-Jan-23

PERPETUAL CARE - LANDFILL # 3 - Windsor, Tecumseh & Lakeshore

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
EXPENDITURES			
SALARIES & BENEFITS			
14107.3336 Salaries, Wages & Benefits	\$61,000	\$61,000	\$62,000
	\$61,000	\$61,000	\$62,000
PURCHASED SERVICES			
14107.3311 Monitoring Program - Capital/Well Decommissioning	\$72,100	\$72,100	\$70,000
14107.3696 EWSWA Administration	31,400	31,400	31,400
14107.3301 Legal	0	0	0
14107.3398 Consulting	0	0	10,000
	\$103,500	\$103,500	\$111,400
OCCUPANCY COSTS			
14107.3401 Insurance	\$25,000	\$25,000	\$28,600
14107.3403 Utilities	4,500	4,500	4,500
	\$29,500	\$29,500	\$33,100
OPERATING COSTS			
14107.3102 Manifest Fee (M.O.E.)	\$1,500	\$1,500	\$1,500
14107.3236 Site & Grounds Maintenance	50,000	32,100	50,000
14107.3239 Leachate Collection System (Flushing '23)	76,000	67,000	205,000
14107.3240 Leachate Spring Repair	2,000	0	2,000
14107.3253 Vehicle Operating Costs (Consumables)	1,000	1,000	1,000
14107.3605 Leachate Hauling	230,000	185,000	232,000
14107.3606 Leachate Treatment	12,500	11,500	31,000
14107.3607 EWSWA Loan Pmt - Clay Capping Proj. (2013-2022)	229,170	229,170	0
14107.3607 EWSWA Loan Interest - Clay Capping Project	3,500	3,500	0
14107.3692 Resident Compensation Re: ECA Condition #35	25,000	0	25,000
	\$630,670	\$530,770	\$547,500
TOTAL OPERATING COSTS	\$824,670	\$724,770	\$754,000

25-Jan-23

PERPETUAL CARE - LANDFILL # 3 - Windsor, Tecumseh & Lakeshore

ACCOUNT TITLE	2022 BUDGET	2022 PROJECTION	2023 BUDGET
RECOVERIES			
14107.6520 Contributions from Municipalities	\$687,530	\$687,530	\$554,640
TOTAL RECOVERIES	\$687,530	\$687,530	\$554,640
Excess of (Expenditures over Recoveries)	(\$137,140)	(\$37,240)	(\$199,360)
Accumulated Surplus - Beginning of Year	\$137,140	\$236,600	\$199,360
Accumulated Surplus - End of Year	\$0	\$199,360	\$0

2023 BUDGET

PERPETUAL CARE - LANDFILL SITE NO. 3

Cost Recovery From Municipalities

MUNICIPALITY	SHARE OF PERPETUAL CARE	AMT. REQUIRED FROM MUNICIPALITY (EXCLUDING LEACHATE TREATMENT)	AMT. REQUIRED FROM MUNICIPALITY FOR LEACHATE TREATMENT		2023 REQUIRED FROM MUNICIPALITY	2022 REQUIRED FROM MUNICIPALITY
			%	\$		
Tecumseh	3.40%	\$17,804	41.67%	\$12,918	\$30,722	\$28,160
Lakeshore	4.76%	\$24,925	58.33%	\$18,082	\$43,007	\$39,422
Windsor	91.84%	\$480,911	0.00%	\$0	\$480,911	\$619,948
	100.00%	\$523,640	100.00%	\$31,000	\$554,640	\$687,530



Notes to the 2023 Budget Perpetual Care – Landfill #3

Expenses

Salaries & Benefits

This account is for the share of salaries and benefits for staff that will perform the scheduled maintenance and monitoring activities at the site during the year. This includes the required site inspections, road patrols, grass cutting, tree and grounds maintenance, and environmental monitoring. It also includes a pro-rata share of the salaries of the Manager of Waste Disposal and Supervisor of Waste Disposal who oversee the post-closure activities at the site.

Purchased Services

The annual compliance monitoring program includes costs associated with the sampling, testing and reporting of groundwater, leachate, sediment, air emissions and supplemental tasks.

Operating Costs

The only major operating cost since this landfill closed in 1997 is for leachate management. The leachate collection system requires a system flush at least once every two years per the ECA. The last leachate flush was in 2021 therefore the 2023 budget includes the costs of flushing the leachate collection system.

The 2022 leachate hauling costs were less than budgeted due to the reduced levels of leachate in the year. The 2023 budget is increased to account for the annual price increase under contract.

The Leachate treatment account only reflects the amount billed by the City of Windsor for the perpetual care portion of leachate treatment payable by the Town of Tecumseh and the Municipality of Lakeshore. The 2023 budget reflects the increase in costs per tonne to treat the site's leachate.

The remainder of the operating cost section of the budget is for maintenance of the road, drainage, landfill cap, as well as the other infrastructure at the site.

**Essex-Windsor Solid Waste Authority
Schedule of Fees**

Rate Type - Municipal	2023 Rate	2022 Rate	Unit of Measure	Description
Municipally Delivered Refuse - Total Waste Management Fee	\$41.00	\$40.00	Per Tonne	
Water & Waste Water Treatment Plant Residue	\$64.00	\$62.00	Per Tonne	
Municipally Delivered Pallets	See Organics	See Organics	Per Tonne	
Municipally Delivered Street Sweepings	\$12.00	\$10.00	Per Tonne	
Municipally Delivered Organics	\$42.00	\$42.00	Per Tonne	
Non-Residentially Collected Refuse	\$30.00	\$30.00	Per Tonne	Re: Construction and Demolition
Rate Type - Residential	2023 Rate	2022 Rate	Unit of Measure	Description
Refuse - Residentially Delivered	4 Loads at \$5	4 Loads at \$5	Kilograms	If weight is 100kg or less.
Refuse - Residentially Delivered - After \$5 Loads Exhausted (See also minimum charge below)	\$105.00	\$105.00	Per Tonne	
Refuse - Residentially Delivered - Minimum Fee (Applies after \$5 loads are exhausted)	\$10.00	\$10.00	Minimum Flat Fee	If load is less than 100 kg and \$5 loads exhausted.
Organics - Residentially Delivered Leaves, Tree Trimmings, Brush, Other	No Charge	No Charge	Per Load	
Organics - Residentially Delivered Grass	\$3 Per Bag \$15 Per Truck or Trailer	\$3 Per Bag \$15 Per Truck or Trailer	Each	
Other - Tires - Passenger	\$0.00	\$0.00	Per Tire	Revised January 2021 - No longer allowed
Other - Tires - Light Truck	\$0.00	\$0.00	Per Tire	to charge fo tire disposal.
Other - Tires - Medium Truck	\$0.00	\$0.00	Per Tire	
Other - Tires - Farm Tractor	\$0.00	\$0.00	Per Tire	
Other - Residential Pallets	\$51.00	\$49.00	Per Tonne	
Other Refrigerants	\$20.00	\$20.00	Per Unit	
Other - Railway Ties	\$105.00	\$105.00	Per Tonne	
Other - White Goods	No Charge	No Charge	Per Unit	
Other - Recyclables	No Charge	No Charge	Per Load	
Other - Household Chemical Waste	No Charge	No Charge	Per Load	

**Essex-Windsor Solid Waste Authority
Schedule of Fees**

Rate Type - Industrial / Commercial/ Institutional (ICI)	2023 Rate	2022 Rate	Unit of Measure	Description
Refuse - ICI Refuse Delivered to the Regional Landfill	\$64.00	\$62.00	Per Tonne	Gate Rate
Refuse - ICI Refuse Delivered Under Contract to the Regional Landfill	\$59.00	\$52.00	Per Tonne	1,001 Tonnes and Over (Put or Pay)
Refuse - ICI Refuse Delivered Under Contract to the Regional Landfill	\$58.00	\$51.00	Per Tonne	2,001 Tonnes and Over (Put or Pay)
Refuse - ICI Refuse Delivered Under Contract to the Regional Landfill	\$57.00	\$50.00	Per Tonne	3,001 Tonnes and Over (Put or Pay)
Refuse - ICI Refuse Delivered Under Contract to the Regional Landfill	\$56.00	\$49.00	Per Tonne	4,001 Tonnes and Over (Put or Pay)
Refuse - ICI Refuse Delivered Under Contract to the Regional Landfill	\$55.00	\$48.00	Per Tonne	5,001 Tonnes and Over (Put or Pay)
Refuse - ICI Refuse Delivered Under Contract to the Regional Landfill	\$54.00	\$47.00	Per Tonne	10,001 Tonnes and Over (Put or Pay)
Refuse - ICI Refuse Delivered Under Contract to the Regional Landfill	\$50.00	\$42.00	Per Tonne	20,001 Tonnes and Over (Put or Pay)
Refuse - ICI Refuse Delivered Under Contract to the Regional Landfill	\$43.00	\$34.00	Per Tonne	30,001 Tonnes and Over (Put or Pay)
Refuse - ICI Refuse Delivered to Transfer Stations	\$70.00	\$67.00	Per Tonne	Gate Rate
Refuse - ICI Delivered Refuse	\$7.00	\$6.70	Minimum Fee	Minimum Fee
Organics - ICI Organics Delivered to Transfer Stations or Regional Landfill	\$51.00	\$49.00	Per Tonne	
Organics - ICI Delivered Organics	\$5.10	\$4.90	Minimum Fee	Minimum Fee
Other - Asbestos	\$150.00	\$110.00	Per Tonne	+ \$150 Per Load Flat Fee
Other - Dig Out Fee	\$75.00	\$50.00	Per Dig Out	
Other - Contaminated Soil to be Landfilled	\$38.00	\$36.00	Per Tonne	
Other - Greenhouse Vines and/or Growing Medium to be Landfilled	\$45.00	\$36.00	Per Tonne	
Other - ICI Pallets Delivered to Transfer Station #2 and Regional Landfill	\$51.00	\$49.00	Per Tonne	
Other - Refrigerants	\$20.00	\$20.00	Per Unit	
Other - Weigh Ticket	\$7.00	\$7.00	Per Ticket	
Other - Railway Ties	\$105.00	\$105.00	Per Tonne	
Other - White Goods Without Refrigerants	No Charge	No Charge	Per Unit	
Other - Recyclables	No Charge	No Charge	Per Load	
Approved Charities - Loads Delivered to Transfer Stations	\$17.00	\$17.00	Per Tonne	
Approved Charities - Loads Delivered to Transfer Stations - Minimum Fee	\$5.00	\$5.00	Minimum Fee	Minimum Fee
Approved Charities - Loads Delivered to Regional Landfill	\$0.00	\$0.00	Per Tonne	