

REPORT TO COUNTY COUNCIL

2023 Annual Waste Management Reports

To: Warden and Members of County Council

From: Director of Public Works

RECOMMENDATION

1. That County Council receive Report PW 2024-15 entitled “2023 Annual Waste Management Reports” as information.

REPORT HIGHLIGHTS

- This report summarizes the annual performance of Oxford County’s waste management facilities and programs in 2023.
- Based on the County’s current waste diversion activities, the County achieved an overall landfill waste diversion rate (residential and Industrial, Commercial and Institutional (ICI) waste material handled by Oxford County) of approximately 45% in 2023 and has an estimated remaining landfill service life of approximately 27 to 32 years.
- 2023 waste diversion achievements include the diversion of 34,440 tonnes of material received at the Oxford County Waste Management Facility (OCWMF) and includes brush, leaf and yard waste, construction and demolition waste, blue box material, biosolids, electronic waste, scrap metal, and film plastic.
- Other 2023 accomplishments include construction of the Compost Pad and Storm Water Management (SWM) system expansion, implementation of an agricultural plastic waste diversion drop-off program, curbside large article collection (LAC) in Tillsonburg, and expanded access to the Tillsonburg Transfer Station to all County residents.

Implementation Points

The “2023 Annual Waste Management Reports” will be submitted to the MECP in accordance with regulatory requirements and posted on the County’s website for public access.

Source Separated Organics (Green Bin) Program

In Q2 2024, staff will report to County Council with proposed terms of reference for curbside waste collection procurement documents and will include potential Source Separated Organics (SSO) as presented in Report [PW 2023-42](#). The new curbside collection program would be implemented in 2026 to align with expiration of the current curbside collection contract, legislative requirements for organic waste diversion, and changes to the Blue Box regulation.

The proposed terms of reference will be based on public feedback received on key questions such as extent of SSO or 'Green Bin' program (urban vs rural areas) and will be incorporated in the draft procurement documents, subject to Council approval, before being released to market. Vendor submissions will be evaluated and presented to County Council in Q3 2024 for award and implementation in 2026.

Landfill South Fill Area (SFA) Expansion

In 2024, a design and operation plan will be completed and submitted to the MECP for the SFA expansion that will be required by 2028 for landfilling operations. MECP approvals are anticipated by 2026 at which time detailed design and construction will be initiated.

Landfill Gas Collection and Flaring System Upgrades

An expansion of the LFCFS wellfield is required to capture methane within the areas that have been filled since the LFCFS was originally installed. In 2024, approval documents (design brief and drawings) for wellfield expansion will be prepared and submitted to the MECP for approval and construction in 2024 at an estimated cost of \$350,000. Lifecycle replacement of some of the LFCFS equipment will also be required in 2025 and will be included as part of the expansion project, subject to budget approval.

Financial Impact

There are no financial impacts as a result of this report. Any required actions that will result in expenditures have been accounted for in the 2024 Operating or Capital Budget for Waste Management.

Communications

The 2024 Waste Management Annual Reports will be available for public viewing on the County's website on March 28, 2024, at <https://www.oxfordcounty.ca/en/your-government/reports-and-publications.aspx#Public-Works-Annual-Reports>. This Council report will also be circulated to Area Municipalities and Zero Waste Oxford.

The County communicates the performance of key Public Works systems (Waste Management, Water and Wastewater) annually to the public through an annual social media campaign after the last performance report has been submitted to Council.

2023-2026 STRATEGIC PLAN

Oxford County Council approved the [2023-2026 Strategic Plan](#) on September 13, 2023. The Plan outlines 39 goals across three strategic pillars that advance Council’s vision of “Working together for a healthy, vibrant, and sustainable future.” These pillars are: (1) *Promoting community vitality*, (2) *Enhancing environmental sustainability*, and (3) *Fostering progressive government*.

The recommendation in this report supports the following Strategic Plan pillars and goals:

		
Promoting community vitality	Enhancing environmental sustainability	Fostering progressive government
	<p>Goal 2.1 – Climate change mitigation and adaptation</p> <p>Goal 2.2 – Preserve and enhance our natural environment</p>	<p>Goal 3.1 – Continuous improvement and results-driven solutions</p>

See: [Oxford County 2023-2026 Strategic Plan](#)

DISCUSSION

Background

Waste Management Services

As the Waste Management Authority, the County is responsible for residential curbside waste collection (garbage, recycling, large items) and management of waste generated within the County through landfill disposal, waste diversion, and resource recovery programs. The Oxford County Waste Management Facility (OCWMF) is operated by County staff and receives solid waste from residential and ICI sources within the County. Residential waste collection services are managed by the County through various contracts with third-party contractors and municipal service agreements with Area Municipalities (City of Woodstock and Township of South-West Oxford).

Curbside collection of residential garbage, recycling (Blue Box) and large items is further supplemented by convenience depots located throughout the County where residents can drop off various waste materials (yard waste, film plastic, bulky Styrofoam, large items, recyclables, household hazardous waste, electronics, tires, scrap metal, and agricultural plastics). Convenience depots are operated by Area Municipalities on behalf of the County and are funded through the County’s Waste Management budget.

A summary of the County-wide residential waste collection services and associated County service providers is provided in Table 1.

Table 1: Residential Waste Management Collection Services/County Service Providers

Waste Collection Services		Ingersoll, Blandford-Blenheim, East Zorra-Tavistock, Norwich, Zorra	Tillsonburg	South-West Oxford	Woodstock
Garbage and Blue Box Service Providers	Curbside Collection	County Contractor <i>(weekly co-collection garbage and single stream recycling)</i>		South-West Oxford * <i>(six day co-collection garbage and single stream recycling)</i>	Woodstock * <i>(weekly garbage and bi-weekly two stream recycling collection)</i>
	Garbage Disposal	Oxford County Waste Management Facility (OCWMF) <i>(User Fees Apply)</i>			
	Blue Box Processing	County Contractor			Woodstock Contractor *
Convenience Depots Service Providers <i>(includes Blue Box, Cardboard, Film Plastic and Bulky Styrofoam, Agricultural Bale Wrap, Scrap Metal, Household Hazardous Waste, Cooking Oil (FOG), Tires, Electronics, and Construction and Demolition)</i>		Woodstock Enviro Depot * <i>(Excludes agricultural bale wrap)</i> <i>(User Fees Apply for Non-Woodstock Residents)</i>			
		South-West Oxford - Beachville Fire Hall * <i>(Film Plastic Only)</i>			
		Tillsonburg Transfer Station * <i>(Excludes collection of blue box, household hazardous waste, tires, electronics, and agricultural bale wrap)</i> <i>(Open to all County residents in 2023, User Fees for Non-Tillsonburg Residents)</i>			
		Oxford County Waste Management Facility (OCWMF) <i>(User Fees for Some Materials May Apply)</i>			
Leaf and Yard Waste Depots Service Providers	Collection	Ingersoll, Zorra, East Zorra-Tavistock, Blandford-Blenheim, Tillsonburg and Norwich Leaf and Yard Waste Depots	OCWMF Leaf and Yard Waste Depot	City of Woodstock Leaf and Yard Waste Depot *	
	Processing	Oxford County Compost Facility			
Large Items Service Providers	Collection	County Contractor <i>(once annual curbside collection)</i> <i>(NEW – once annual curbside collection in Tillsonburg)</i>			Woodstock * <i>(once annual curbside collection)</i>
	Convenience Depots	Woodstock Enviro Depot * <i>(User Fees Apply)</i>			
		Tillsonburg Transfer Station * <i>(Open to all County residents in 2023 with User Fees)</i>			
		Oxford County Waste Management Facility (OCWMF) <i>(User Fees Apply)</i>			
Processing	Oxford County Waste Management Facility (OCWMF)				

* Services provided by the Area Municipality under contract to the County

Curbside Waste Collection Services

As shown in Table 1, residential curbside waste (garbage, recycling, large items) collection service is provided by South-West Oxford (except large items) and Woodstock by their municipal staff, and by the County's contractor (Emterra Group) in the remaining six Area Municipalities. Collection of garbage and recycling is offered to all households, including some multi-residential and commercial properties, provided they meet collection program requirements and are situated within an existing residential curbside collection route.

Blue Box Material Processing and Marketing

The County's waste management responsibilities include processing and marketing of Blue Box material from curbside collection and convenience depots. The County is currently under a five-year contract (2020-2025) with Emterra for the processing of Blue Box material collected from both the County and South-West Oxford's curbside collection programs and the OCWMF convenience depot. Material is transported to Emterra's Material Recycling Facility (MRF) where it is processed for end-markets, with the County receiving 85% of revenue generated recycled material sales.

Similarly, the City of Woodstock is currently under contract with GFL Environmental (GFL) for processing of Blue Box material from their curbside collection program and convenience depot. Under this contract, the City receives 85% of revenue generated from recycled material sales. This revenue is remitted back to offset net operating costs by Woodstock which are billed back to the County under the contract service agreement.

Both the County and Woodstock's Blue Box processing contracts include requirements for semi-annual external third-party audits of curbside collection material streams. The audits are used for revenue calculations and to determine material contamination rates as an indicator of program efficiency. Similarly, the County's service agreement with South-West Oxford requires semi-annual third-party audits of Blue Box material from their curbside collection program.

Oxford County and its eight Area Municipalities are scheduled to transition to the Provincial common collection system and Extended Producer Responsibility (EPR) on December 31, 2025. With the transition to full EPR, Ontario municipalities will no longer be responsible for managing and financing the traditional Blue Box program (collection and processing).

Environmental Regulatory Compliance

Operation of waste management facilities and waste diversion programs are regulated by the MECP through applicable legislation and issuance of Environmental Compliance Approvals (ECAs). Submission of annual reports to the MECP for various waste management services and activities is a regulatory requirement to demonstrate environmental compliance with associated legislation and specific ECA terms and conditions.

Annual reporting requirements must comply with the guidelines set out in the MECP's Technical Guidance Document: Monitoring and Reporting for Waste Disposal Sites Groundwater and Surface Water. This document provides a general framework for completing technical reports, as well as a report structure to ensure that all necessary information is provided for the MECP to

complete a technical review of monitoring performed at both active and closed waste disposal sites.

In accordance with regulatory requirements, the 2023 Annual Waste Management Reports, prepared for submission to the MECP, provide performance data on Oxford County's waste management facilities, operations and programs. The pertinent regulatory requirement is referenced in each Annual Waste Management Report.

Closed Landfill Sites

Oxford County owns the following eight closed landfill sites that were historically owned and operated at the lower-tier level and were transferred to the County in the early 1980s:

- Lakeside (East Nissouri) Landfill
- Embro (West Zorra) Landfill
- Thamesford (North Oxford) Landfill
- Blandford-Blenheim (Drumbo) Landfill
- Gunn's Hill (East Oxford) Landfill
- Otterville (South Norwich) Landfill
- Tillsonburg Industrial Landfill
- Holbrook Landfill

The local landfill sites noted above were closed prior to being transferred to the County, with the exception of the Tillsonburg and Holbrook sites that remained open and were operated by the County for a period of time until the OCWMF was opened in 1986.

With the exception of the Holbrook Landfill Site, annual reporting to the MECP for the County-owned closed landfills is not a regulatory requirement. However, monitoring programs for landfill gas, groundwater and surface water have been implemented at these sites as a due diligence exercise to identify any adverse environmental impacts and mitigate the County's risk and potential liability.

Comments

Summary of County-Wide Waste Generation

Approximately 112,780 tonnes of waste (3% increase over 2022) was generated in Oxford County in 2023. Of the total amount of waste generated, 83,355 tonnes (4% increase over 2022) was processed at the OCWMF.

About 29,425 tonnes of waste was exported out-of-County (without direct handling at the OCWMF). This includes an estimated 26,515 tonnes of waste from the ICI sector (disposed of by private haulers) and 2,910 tonnes of Blue Box material from the City of Woodstock's curbside collection program exported directly to an out-of-County processing facility. Overall, approximately 26% (2% decrease over 2022) of the total waste generated is being exported out of County.

A summary of County-wide waste generation in 2023 is depicted in Figure 1 with a historical summary of County-wide waste generation illustrated in Table 2. The total waste and large item generation tonnage per household (hh) for 2023 was 360 kg/hh for the entire County, representing an 8% decrease over 2022.

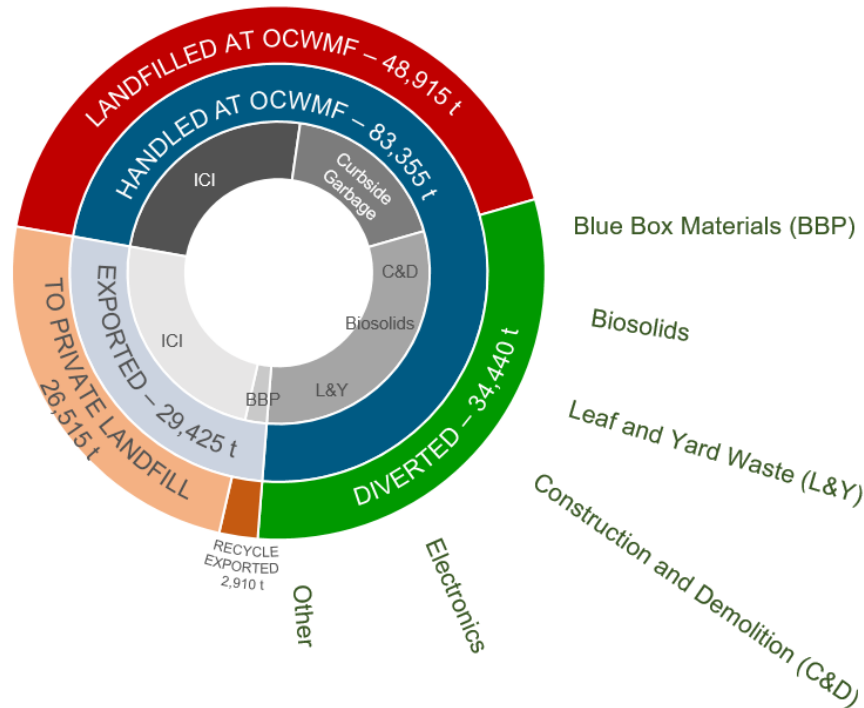


Figure 1: 2023 County-wide Waste Generation

Table 2: Historical County-Wide Waste Generation Summary (2018-2023)

Year	Total Waste Generated in Oxford County (tonnes)	Waste Exported out of County (tonnes)	Waste Processed at OCWMF (tonnes)	Waste Diverted & Recycle Exported (tonnes)	Landfill Diversion Rate
2023	112,780	29,425	83,355	37,350	45%
2022	109,454	29,232	80,222	36,280	45%
2021	115,195	29,040	86,155	40,095	47%
2020	122,610	26,025	96,585	40,320	42%
2019	104,520	29,355	75,165	32,405	43%

2023 Annual Waste Management Reports

The 2023 Annual Waste Management Reports have been generated to satisfy ECA terms and conditions, regulatory requirements, and Ministry technical reporting guidance documents, and will be submitted to the MECP by March 31, 2024.

The annual reports are linked below, followed by a summary section for each:

- [2023 Oxford County Waste Management Facility, Salford Operations and Monitoring Report](#)
- [2023 Oxford County Waste Management Facility, Annual Monitoring Report, Landfill Gas Collection and Flaring System](#)
- [2023 Oxford County Holbrook Landfill, Water Monitoring Report](#)
- [2023 Oxford County Stormwater Pond Results - Summary and Interpretation](#)
- [2023 Oxford County Waste Management Facility, HHW Annual Report](#)
- [2023 Oxford County Leaf and Yard Waste System Annual Report](#)
- [2023 Oxford County Blue Box System Annual Report](#)
- [2023 Oxford County Closed Landfill Sites, Due Diligence Monitoring](#)

With the exception of the non-compliance order issued by the MECP regarding the LFGCS further detailed below, staff are pleased to inform County Council that, in 2023, the County's waste management facilities and programs operated within environmental regulatory compliance and that no adverse environmental impacts were observed.

Oxford County Waste Management Facility, Salford 2023 Operations and Monitoring Report

- Approximately 83,355 tonnes of waste was handled at the site with approximately 34,440 tonnes being diverted and recovered as material resources. Overall resource recovery material brought to the OCWMF in 2023 increased by 4% and landfilled material increased by 4%.
- The total trips by all vehicles using the facility averaged about 3,980 per month in 2023, an increase of 9% compared to 2022.
- The film plastic drop-off program generated 9 tonnes of material in 2023, a 29% increase over 2022.
- The bulky Expanded Polystyrene (Styrofoam) program generated 11 tonnes of recycled packaging material for reuse in product manufacturing, representing a 27% decrease over 2022 tonnages.
- The remaining landfill site service life in 2023 is calculated to be approximately 27 to 32 years based on the current landfilling rate and waste diversion rate (approximately 45%).
- There were no influences of leachate in the groundwater at the site boundaries.
- Private well monitoring showed no landfill influence.

Annual Monitoring Report, Landfill Gas Collection and Flaring System (LGCFS) January 2023 – December 2023, Oxford County Waste Management Facility

- The LGCFS operated as intended in 2023 and successfully controlled emissions even though volumes and concentrations of methane gas continue to remain low. The flare ran at an average flow of 107 cubic feet of gas volume per minute (cfm), down from 110 cfm in 2022 and an average 48% methane by volume, up from 42% in 2022.

An Air ECA onsite inspection was completed by the MECP at the OCWMF in July 2023. Following the inspection, one non-compliance order was issued as the County had failed to notify the Spills Action Centre (SAC) in addition to the MECP when the LGCFS was offline for more than 48 hrs. This was an oversight by County staff and a misinterpretation of the Air ECA terms and conditions. The MECP also noted a missing entry in the LGCFS inspection and maintenance log as completed by the County's service provider.

The MECP was satisfied with staff's response to fully address the MECP non-compliance order, which included revised reporting protocol and procedures to review inspection and maintenance records on a regular basis.

In 2023, MECP also utilized drone technology to evaluate fugitive methane emissions at the OCWMF as a test site and identified several hot spots where methane was potentially escaping from leachate manholes. Although no orders were issued, it was agreed with the MECP that the County would implement measures to seal the manholes in 2024 and have the MECP conduct a follow up air survey.

2023 Water Monitoring Report, Holbrook Closed Landfill

- There was no clear indication of leachate influence in the deeper groundwater system at the property boundaries and no landfill influence at the private well monitoring locations.
- No methane was detected in 2023.
- Staff will continue to perform inspections at this facility to ensure the site is secure and to assess for any potential environmental concerns.

2023 Due Diligence Monitoring Program, Oxford County Closed Landfill Sites

Monitoring programs for landfill gas, surface water and ground water were undertaken at County-owned closed landfill sites as a due diligence exercise and to identify any offsite adverse environmental impacts. The findings and recommendations of the 2023 Due Diligence Monitoring Program are highlighted below:

- No landfill impacts were identified at the Lakeside, Embro, Thamesford, Gunn's Hill and Otterville Closed landfill sites and therefore further annual monitoring is not required.
- Continued annual monitoring is recommended to observe parameter concentration trends of potential historic impacts to the surface water and shallow groundwater to the east of the Blandford-Blenheim site.
- Continued monitoring at the Tillsonburg site is recommended to observe parameter concentration and flow rate trends at surface water monitoring locations to the east and southeast of the site.

Oxford County 2023 Compost Facility Storm Water Management (SWM) System Annual Report

In 2023, the County expanded the compost pad and SWM system. An Amended ECA was issued by the MECP for the SWM system with additional monitoring and reporting requirements.

SWM system monitoring results indicated acceptable effluent concentrations, consistent with historical trends prior to the 2023 expansion.

Oxford County 2023 Household Hazardous Waste (HHW) Depot Annual Report

- The depot serviced approximately 5,145 vehicles, an 11% decrease from 2022.
- Approximately 170 tonnes of HHW material was collected, a 15% increase over 2022.
- The City of Woodstock's HHW Depot was open 153 days in 2023 and collected 62 tonnes of HHW /decrease of 9% from 2022).

Oxford County 2023 Leaf and Yard Waste System Annual Report

- Over 16,710 tonnes of material was received, representing an 11% increase over 2022.
- Approximately 15,820 tonnes of finished compost was sold to the end market in 2023 and generated over \$328,400 in County revenue. The tonnage represents carry over material received late in 2022, which was processed in 2023 along with new received material in 2023.
- A total of 170 composters and 217 green cones were sold to residents, a decrease of 24% from 2023.
- Home composters and green cones are sold throughout the County at a subsidized rate of \$10 and \$50 each, respectively.

Oxford County continues to undertake backyard composting program education and outreach to help reduce the quantity of organics currently black bagged/landfilled. Also, as aforementioned, implementation of a County-wide SSO program will be considered as part of proposed terms of reference for contract renewal of County curbside waste collection services, 2026 – 2030, to be presented to County Council in Q2 2024 before being released to market.

Oxford County 2023 Year-End Blue Box Waste Management System Annual Report

- The recycling collection tonnage per household (hh) for 2023 was 154 kg/hh for the entire County, representing a 6% decrease from 2022 even though there was a 3% increase in households. A contributing factor to the decrease in collected tonnes is due to material weight; Blue Box materials (e.g. paper products and packaging products) continues to be made lighter.
- 7,910 tonnes of residential curbside Blue Box material was collected (2% decrease from 2022). Following the removal of contaminated material (residual waste) during processing, approximately 7,000 tonnes of processed material was sent to end markets.
- The contamination rate of the 2023 County single stream recycling program is estimated at 12% and the South-West Oxford single stream recycling program is estimated at 3.5% based on third-party audit data. The average contamination rate for single-stream recycling programs is 11% based on industry audit data, placing the South-West Oxford's contamination rate below and the County on par with the industry average.

- The contamination rate for the two-stream recycling program in Woodstock was estimated at 10% based on third-party audit data, placing the contamination rate above the industry average of 7%.

Contamination rates of Blue Box material streams identify the amount of unacceptable material and/or material contaminated from food waste or other materials. High contamination rates can affect the quality of other processed material resulting in reduced market rates or potential rejection by end markets, which in turn reduces revenue and overall landfill waste diversion. High contamination rates need to be addressed through targeted promotion and education campaigns and increased curbside screening efforts to improve program efficiencies.

Film Plastics and Bulky Styrofoam Depots Pilot Programs

Over the last three years, participation levels and the volume of material collected by the pilot programs for the collection of film plastic and bulky Styrofoam have remained strong. This is in part due to public awareness of the importance of diverting this waste from landfill and partnerships with the Area Municipalities who operate convenience depots.

There are five drop-off depots for film plastics and three drop-off depots for bulky Styrofoam located across the County, as shown in Table 3 below. It is recommended that the County not implement additional convenience depots until the Producers notify the County whether they plan on financially supporting depot operations for Blue Box material. The County will know more on this issue in 2025 when negotiations on the operation of convenience depots will occur. Staff will report back to Council on the status of operating these convenience depots.

Table 3: Film Plastic, Bulky Styrofoam Pilot Programs (2021-2023)

Depot Location	Film Plastic	Bulky Styrofoam
OCWMF – Transfer Station	✓	✓
South-West Oxford – Beachville Fire Hall	✓	
South-West Oxford – Municipal Office	✓	
Woodstock – Enviro Depot	✓	✓
Tillsonburg Transfer Station	✓	✓

Curbside Waste Collection Contract Performance

In 2023, staff monitored and tracked performance issues and any occurrences of missed / incomplete collections over the course of the year. Detailed contract performance metrics in 2023 are summarized in Table 4.

Table 4: 2023 County Curbside Collection Contractor Annual Completion Rate

Collection Performance		Ingersoll	Tillsonburg	Blandford-Blenheim	Norwich	East Zorra-Tavistock	Zorra	Total
Successful Route Completion Rate *	Q1	100%	98%	100%	99%	100%	100%	100%
	Q2	99%	98%	100%	99%	100%	99%	99%
	Q3	97%	96%	97%	100%	100%	100%	98%
	Q4	98%	99%	99%	99%	100%	98%	99%
Average Annual Completion Rate		99%	98%	99%	99%	100%	99%	99%

* Successful route completion indicates where the planned route curbside collection was completed on the designated pick-up day (no missed collections).

Staff regularly addressed contract performance issues with its collection contractor (Emterra) to ensure that any curbside collection customer service issues or incomplete collections were either resolved on the same collection pickup day (in most cases) or carried over to the next calendar day.

2023 Accomplishments

As part of the Goals and Objectives of the 2023 Waste Management Business Plan and Budget, the following initiatives were implemented:

Residential (Curbside) Diversion Rate

The residential diversion rate (from curbside, depots, brush, leaf and yard waste depots, and OCWMF) was estimated to be 51% in 2023 and will be confirmed when the 2023 Datacall is verified in November 2024. The residential diversion rate has plateaued in recent years ranging between 47-51%.

Landfill Diversion Rate

The County’s landfill diversion rate is currently 45% and takes into consideration all waste managed through County Waste Management services (residential and ICI). It is important to note that this diversion rate differs from what is published by the Resource Productivity and Recovery Authority, known as the residential diversion rate, which only takes into consideration residential generated waste.

Agricultural Plastic Diversion Program

An Agricultural Plastics drop-off program was established at the OCWMF and initiated in Q2 2023, generating approximately 5 tonnes of material diverted from landfill and shipped to local end markets for reuse in product manufacturing. As a result of successful participation, this program is expected to see an increased capture rate in 2024.

Large Item Collection in the Town of Tillsonburg

The Town of Tillsonburg was included in the County's annual curbside large article collection program in 2023, generating approximately 100 tonnes of curbside large articles, which is expected to increase as residents become more familiar with the program.

As part of this initiative, access to the Tillsonburg Transfer Station was expanded to all County residents in 2023, with the operation fully funded by the County. Operational costs were offset with the introduction of transfer station user fees for drop-off of large articles and construction and demolition waste, which resulted in approximately 50% reduction in the number of vehicles received in 2023, compared to previous years.

Compost Facility Expansion

As previously noted, construction of the compost pad and SWM system expansion was completed in 2023 and is now fully operational. This expansion doubled the size of the yard waste processing and finished compost storage area and is expected to result in increased compost production.

Advancing to Zero Waste

To achieve the goals and objectives in the County's *Zero Waste Plan*, as well as address provincial and federal regulatory requirements, the County will need to further increase waste diversion efforts through innovative programs and technologies.

Upcoming industry activities will impact waste diversion in Ontario, such as the implementation of the Producer Responsibility model which will place end of life management responsibilities on the Producers to encourage innovative product design, strengthen end markets and standardize recycling across the Province. Evidence of such innovation has already been observed by major Producers, such as McDonalds and Heinz. Until this transition occurs, the County will continue to look for ways to divert more hard-to-recycle material from the landfill through ongoing pilot projects for film plastic, bulky Styrofoam and agricultural bale wrap.

Consideration of a green bin (SSO) program is the next potential step to increasing the life of the County's landfill site. Both the federal and provincial governments, through policy implementation, support the diversion of organics from landfill and it is anticipated that landfill bans on organic waste will occur within the decade.

Another trend that the County will be closely monitoring is the implication of increased tipping fees at cross border landfills. To date, cross border landfills have provided a low cost disposal option for much of the Ontario private waste sector; however, if cross border tipping rates increase, municipal landfills in Ontario may be forced to accept this waste, which would impact their remaining capacity.

CONCLUSIONS

The 2023 Annual Waste Management Reports demonstrate that Oxford County's waste management programs and facilities continue to operate in general compliance with regulatory requirements.

Residents and businesses across Oxford County continue to receive convenient access to curbside and waste management facility diversion programs.

Notable changes to management of waste across Oxford County will continue over the next decade and will contribute to the collective goals of a circular economy and recognizing waste as a resource.

SIGNATURES

Report author:

Original signed by

Andrea Coverdale
Coordinator of Waste Management

Departmental approval:

Original signed by

David Simpson, P. Eng., PMP
Director of Public Works

Approved for submission:

Original signed by

Benjamin R. Addley
Chief Administrative Officer