



2022

Integrated Waste Management Report

Sustainability | Water and Waste Operations

Towards70%
SASKATOON'S WASTE DIVERSION TARGET



greener
TOGETHER

 *City of*
Saskatoon

May 2023

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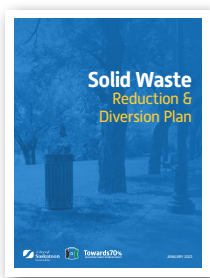
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Introduction

The 2022 Integrated Waste Management Report is the annual overview of solid waste management in Saskatoon and reports on annual performance, targets, and implementation progress of the *Solid Waste Reduction and Diversion Plan*.

Strategic Plan - Environmental Leadership

The City's integrated waste management activities are directed by the *2022-2025 Strategic Plan*, which identifies the following outcome under the goal of Environmental Leadership: *Solid waste diversion is maximized, and landfill operations are optimized.*

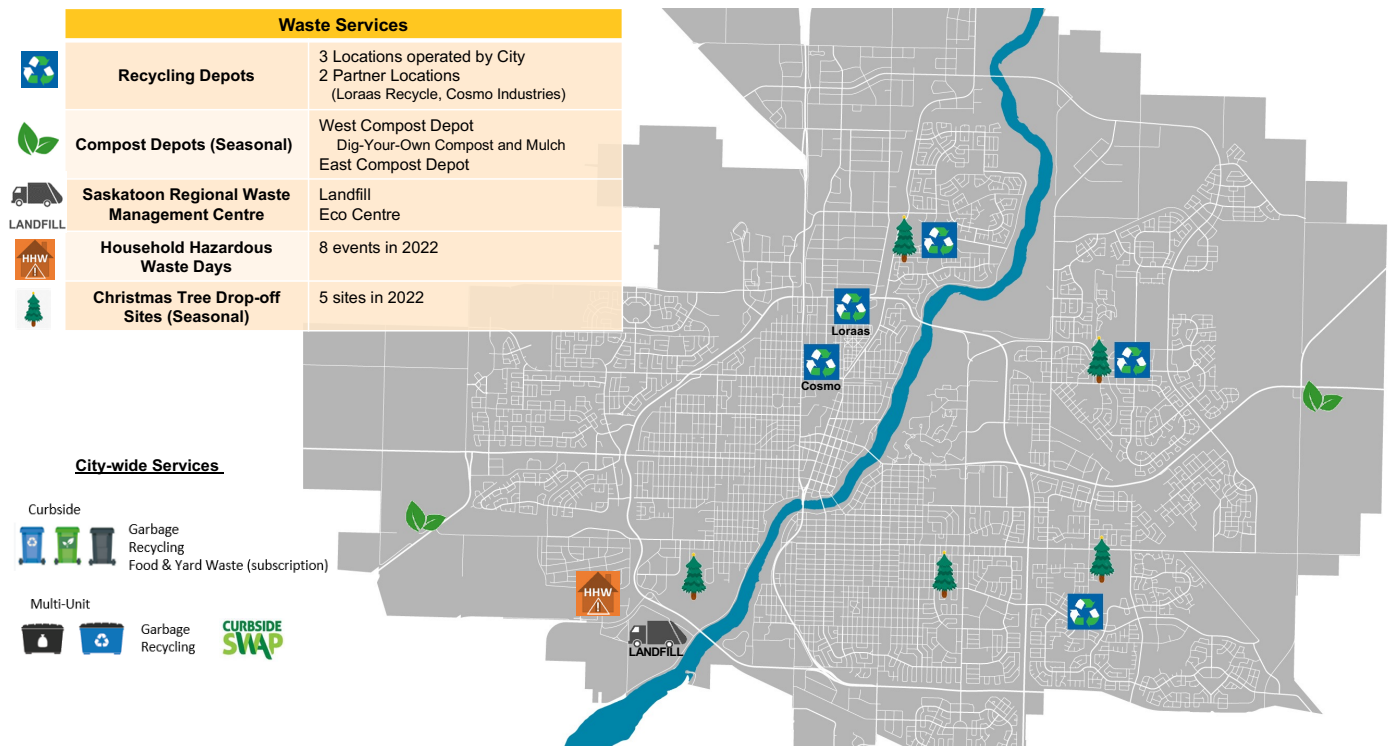


KEY ACTION:

Implement actions in the Solid Waste Reduction and Diversion Plan within proposed timeframes to achieve 70% diversion from the Saskatoon Landfill.

The Solid Waste Reduction and Diversion Plan was received by City Council in January 2021 and outlines a series of actions that could achieve the target as soon as 2030.

Waste Service Map



Service Demographic

Residential



74,000
Curbside Households



Garbage
Serviced through City

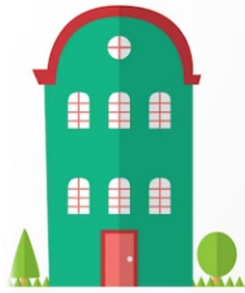


Organics
Subscription program offered by City



Recycling
Serviced through City contract

Approximately 45,000 tonnes of garbage from curbside households (2022 estimate)



39,000
Multi-Unit Households



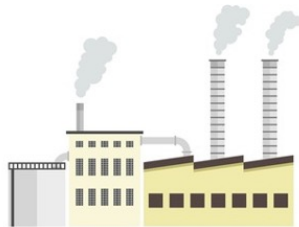
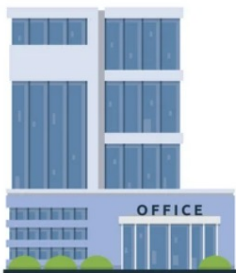
Garbage
82% serviced by the city
18% have private service



Recycling
100% serviced through multi-unit recycling service agreement

Approximately 17,000 tonnes of garbage from multi-unit households (2022 estimate)

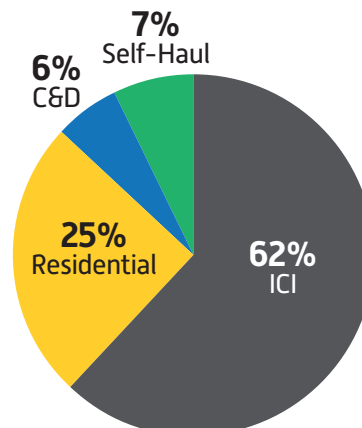
Industrial, Commercial, and Institutional (ICI)



169,000 tonnes of garbage from businesses and organizations go to Saskatoon and area landfills each year.

Source: Summary Report on 2016 Waste Characterization Study

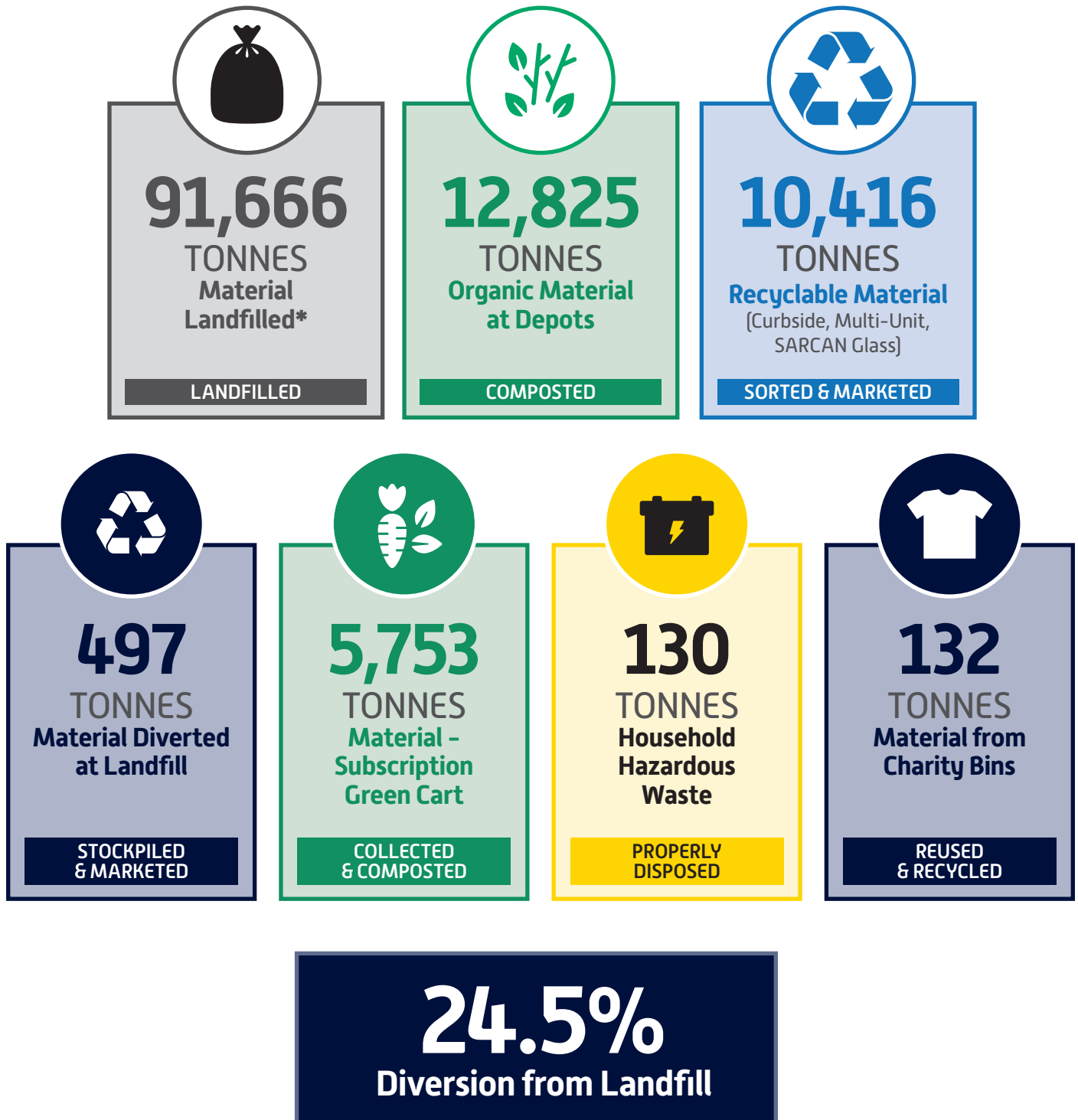
Estimated Waste Percentages by Sector



Waste Diversion

Towards 70%
SASKATOON'S WASTE DIVERSION TARGET

2022 Highlights



*Landfilled at Saskatoon Regional Waste Management Facility

Environmental Performance Targets

The City has set performance targets relating to waste diversion and greenhouse gas (GHG) emissions.

Waste Diversion Target

The City's waste diversion target is to divert **70%** of Saskatoon's waste from the Saskatoon Landfill.

Greenhouse Gas Emission Reduction Target

The GHG emission reduction target for both City (local government) and community emissions is **80%** below 2014 levels by 2050. The City's *Low Emissions Community Plan (LEC Plan)* was developed in 2019 and outlines the actions needed for Saskatoon to meet its GHG emission reduction target by 2050.

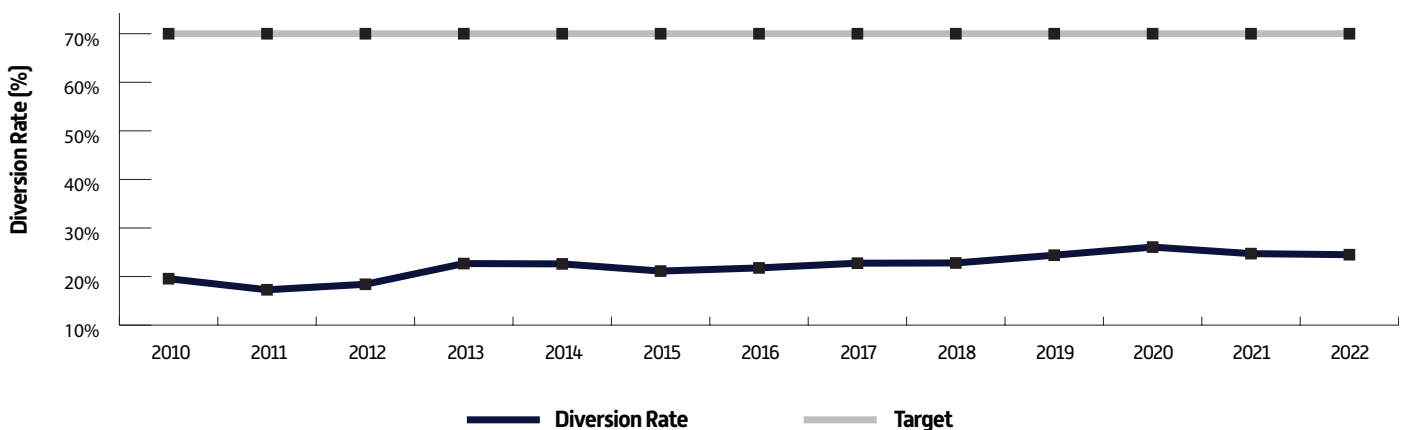
The *LEC Plan* includes two waste actions and milestone targets:

1. Reducing organics by **90%**, plastics by **95%**, and paper by **90%** to reduce emissions by an estimated **1.3 million tonnes CO₂e** by 2050; and
2. Expanding the capture and destruction of landfill gas at the Saskatoon Landfill to reduce emissions by an estimated **1.9 million tonnes CO₂e** by 2026.

A variety of programs and initiatives including recycling, composting, hazardous waste collection, and reuse of gently-used items, help to divert waste from regional landfills. The figure below shows the tonnes of materials diverted by each of the City's waste diversion initiatives (**total of 29,753 tonnes**) and how each initiative contributed to the 2022 diversion rate.

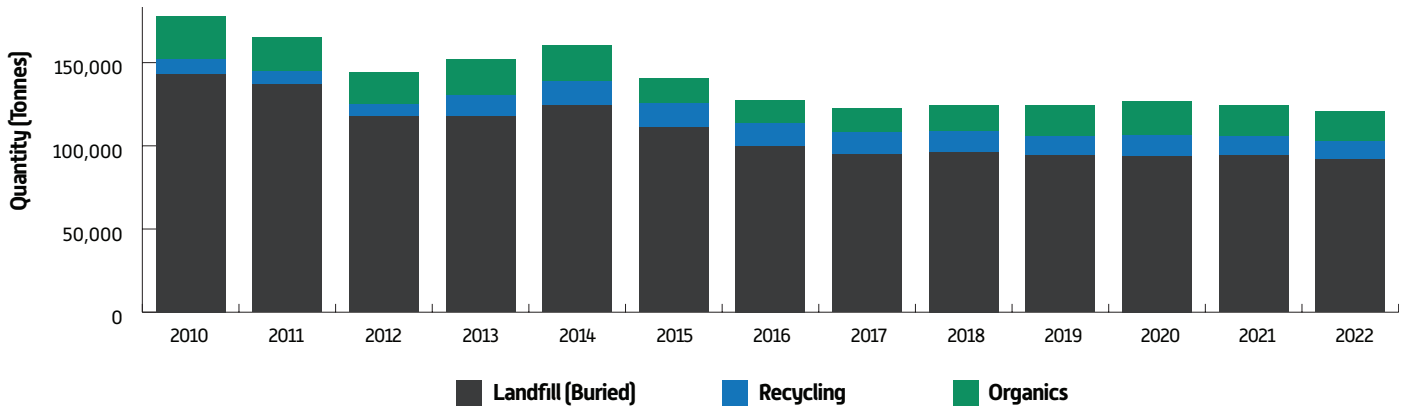
Saskatoon's Waste Diversion Rate

Saskatoon's Waste Diversion Rate is calculated using tonnage data from the Saskatoon Regional Waste Management Centre (Landfill) and diversion programs led by the City of Saskatoon. It does not include reduction, reuse, recycling, or disposal through non-City programs, e-waste, nearby landfills, or by the private sector.

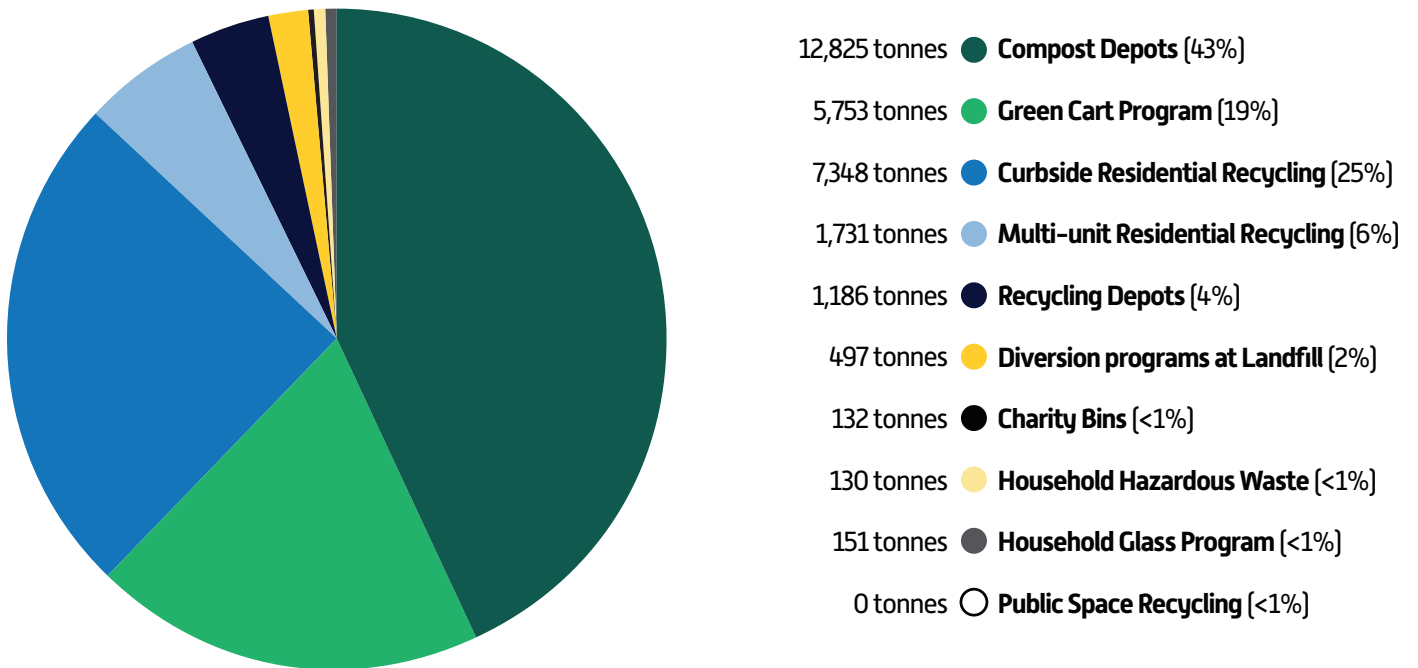


The City's Waste Diversion Rate for 2022 was **24.5%**, a slight decrease from 24.7% in 2021.

Waste Quantities Managed by City of Saskatoon, 2010 to 2022







Tonnes Diverted by Material Type



29,753 tonnes of material diverted in 2022




Waste Diversion

Towards 70%
SASKATOON'S WASTE DIVERSION TARGET

MATERIAL	TONNES	DESCRIPTION
<p>COMPOST DEPOTS</p> 	<p>12,825 (43%)</p>	<p>In 2022, the City operated two compost depot locations for drop off of leaves, grass, non-elm tree and shrub branches, as well as food and garden waste that would otherwise end up in a landfill.</p> <p>This total included:</p> <ul style="list-style-type: none"> ➤ 8,990 of woody material (branches, logs, and woodchips) and 5,910 tonnes of leafy material (leaves and grass) ➤ 3,870 tonnes of sod and topsoil mixtures ➤ 250 tonnes of food waste
<p>CURBSIDE RESIDENTIAL RECYCLING</p> 	<p>7,348 (25%)</p>	<p>There are approximately 74,000 curbside households.</p> <ul style="list-style-type: none"> ➤ Approximately 79% of material sorted and marketed was paper & cardboard ➤ Approximately 5% of material sorted and marketed was plastic ➤ Approximately 3% of material sorted and marketed was tin and aluminum
<p>GREEN CART PROGRAM</p> 	<p>5,753 (19%)</p>	<p>The subscription program ran from May through early November and reached 12,393 subscribers in 2022.</p> <p>2022 was the highest annual tonnage the program has ever hit. 2020 was the second highest at 4,800 tonnes.</p> <p>Yard waste and food waste was accepted in the program. The majority of the material collected was yard waste.</p>
<p>MULTI-UNIT RESIDENTIAL RECYCLING</p> 	<p>1,731 (6%)</p>	<p>There are approximately 39,000 multi-unit residential households.</p> <ul style="list-style-type: none"> ➤ Approximately 88% of material sorted and marketed was paper & cardboard ➤ Approximately 5% of material sorted and marketed was plastic ➤ Approximately 3% of material sorted and marketed was tin and aluminum




Waste Diversion

Towards 70%
SASKATOON'S WASTE DIVERSION TARGET

MATERIAL	TONNES	DESCRIPTION
<p>RECYCLING DEPOTS</p> 	<p>1,186 (4%)</p>	<p>Saskatoon residents can use the City's three recycling depots for the same materials accepted in the residential recycling programs.</p> <p>Composition of material collected is similar to the multi-unit recycling program.</p>
<p>DIVERSION PROGRAMS AT LANDFILL</p> 	<p>497 (2%)</p>	<p>The landfill diverts mixed metal, bicycles, propane tanks, batteries, white goods, and Eco Centre material for recycling and proper disposal.</p> <p>Used engine oil, oil filters, oil containers and antifreeze are accepted at no charge at the Eco Centre located at the City's Landfill.</p> <p>Approximately 400 bikes were captured for reuse or for parts to refurbish other bikes.</p>
<p>HOUSEHOLD GLASS PROGRAM</p> 	<p>151 (<1%)</p>	<p>In a step to improve the amount of glass that can be recycled, a program in partnership with SARCAN has been established that enables residents to take their glass items to SARCAN depots.</p> <ul style="list-style-type: none"> ➤ 131 tonnes of clear glass was recycled as reflective glass beads (used in road paint) ➤ 20 tonnes of coloured glass was used to manufacture fiberglass insulation

Waste Diversion

Towards 70%
SASKATOON'S WASTE DIVERSION TARGET

MATERIAL	TONNES	DESCRIPTION
<p>CHARITY BINS</p> 	<p>132 (<1%)</p>	<p>Most of the material collected is clothing (textiles) that is sent for reuse.</p> <ul style="list-style-type: none"> ➤ The bins at the City's recycling depots are provided by Community Living and Diabetes Canada. ➤ Several bins were removed in 2022 due to ongoing contamination issues (Lakewood Depot in August 2022 and Lawson Heights and University Heights depots in October 2022).
<p>HOUSEHOLD HAZARDOUS WASTE</p> 	<p>130 (<1%)</p>	<p>Household Hazardous Waste Days took place at the Civic Operations Centre.</p> <ul style="list-style-type: none"> ➤ 8 events in 2022 ➤ Average of 432 participants per event
<p>PUBLIC SPACE RECYCLING</p> 	<p>0.28 (<1%)</p>	<ul style="list-style-type: none"> ➤ The City maintains a contract with Creative Outdoor Advertising of Canada for the collection of recycling at 230 transit stops across the city ➤ Tonnage from bottle baskets are not recorded as they are "self-serviced" by those interested in deposit beverage containers ➤ The City continues to explore opportunities to expand recycling in public spaces <p>The purpose of the program is more than just diversion. It is also about education and awareness.</p>

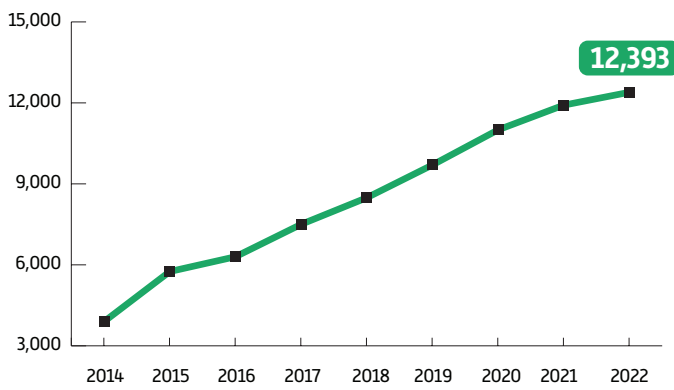
Organics



Last Year of the Subscription Program

- The Green Cart program for yard and food waste was an optional fee-for-service program available to curbside households.
- The program ran from May through early November and reached **12,393 subscribers in 2022**.
- The program fee was \$65 per year prior to May 1 and **\$85 per year after May 1st**.

Number of Subscribers by Year



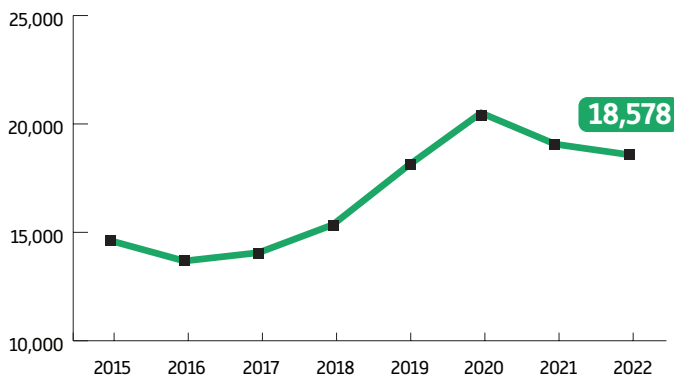
2022 was the last year of the program with the introduction of a city-wide curbside program in Spring of 2023. Subscribers that had a green cart in 2022 will keep their cart and automatically be transitioned to the new program, receiving a kitchen pail package.

The City processed the material from the Green Cart Program at the Highway 7 (West) compost depot. Starting in 2023, processing of green cart material will be done by a third party.

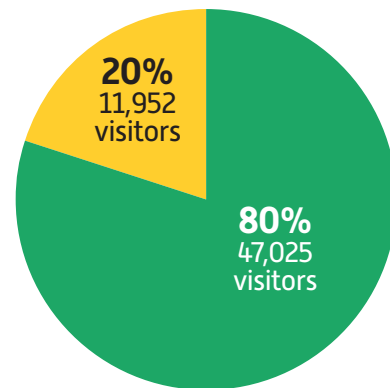
Compost Depots

In 2022, the City operated two compost depot locations for drop off of leaves, grass, non-elm tree and shrub branches, as well as food and garden waste that would otherwise end up in a landfill.

Compost Depots - Tonnes Received



East Depot West Depot



Compost Depot Charges:

Residents = Free

Commercial Haulers = \$150 permit

- **51,380 visits (87%)** were made by the public
- **1,914 visits** were from commercial customers
- **1,009 visits** were from City Departments

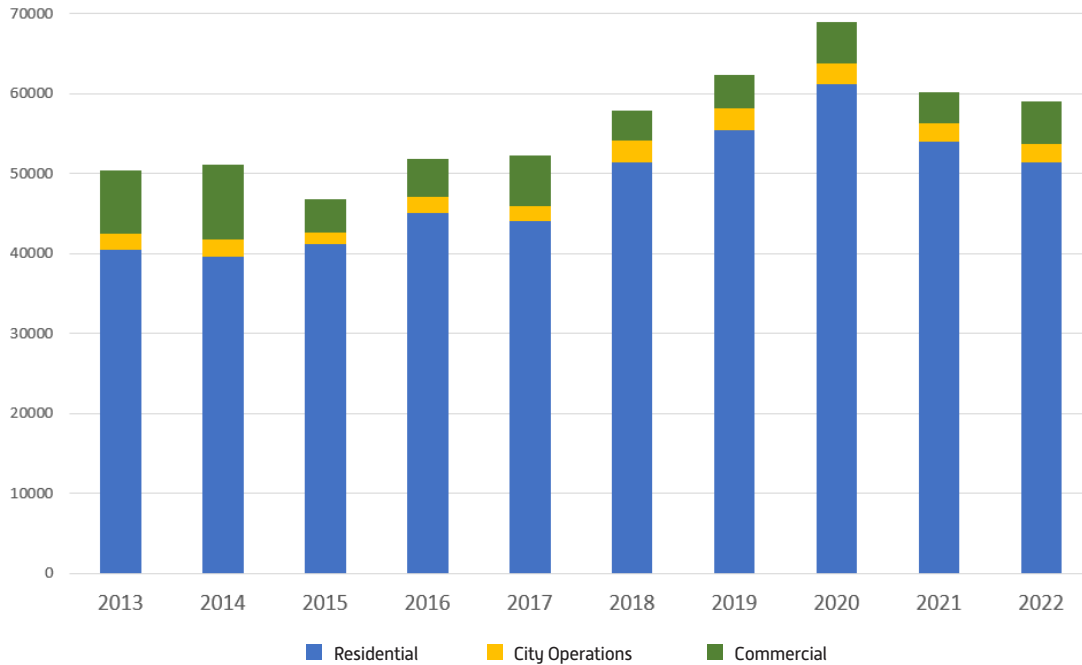
In 2022, there were **59,004** vehicle visits to the compost depots.

Organics



The graph below illustrates the number of visits made to the compost depots by these three sectors for the past seven years.

Compost Depot Visitors



Dig-Your-Own compost program

Residents can visit the West Compost Depot and get nutrient-rich compost and mulch to use for their lawns and gardens.

2022
7,620 visits
4,520 cubic yards of compost & mulch



Christmas Tree Drop-Offs

In 2022, an estimated 44.5 tonnes of material was collected through this program. These trees are included in the compost depot tonnage total.

- 5 Temporary sites in 2022
- Open December 26 to January 31

Recycling

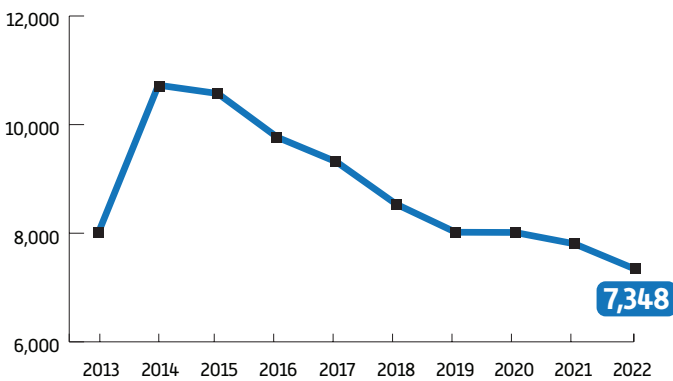


Curbside Residential Recycling (Blue Cart)

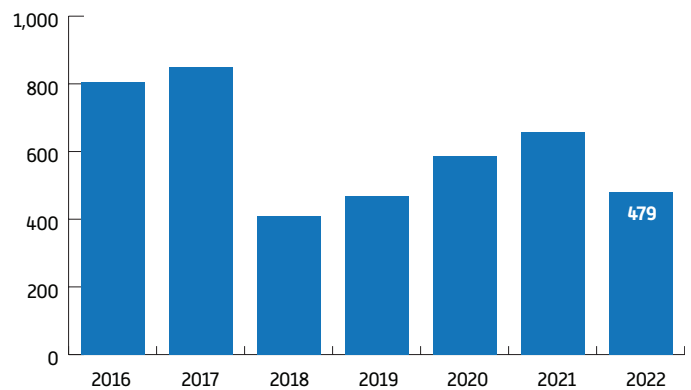
Current service provider: **Loraas Disposal North**

- 2022 was year 3 of an 8-year service agreement for collection, processing, and marketing.
- Utility fee in 2022: **\$7.47** per month
- 2022 contamination rate = **14%**

Tonnes - Recycled (Processed and Marketed)



Average Non-Compliant Carts per month



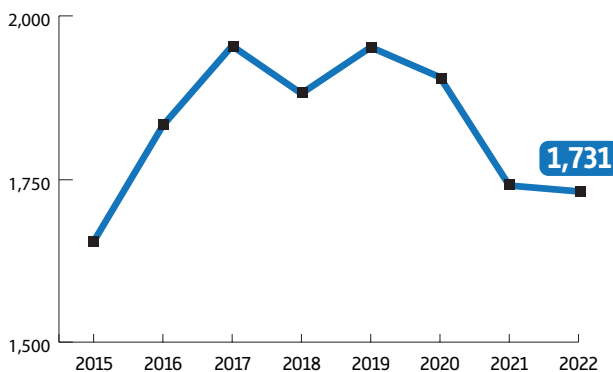
Main concerns continue to be carts left out in back lanes for more than 24 hours and scavenging of high value recyclables (beverage containers and milk jugs).

Multi-Unit Residential Recycling

Current service provider: **Cosmopolitan Industries**

- 2022 was year 8 of a 9-year service agreement for collection, processing, and marketing.
- Utility fee in 2022: **\$3.86** per month
- 2022 contamination rate = **21%**

Tonnes - Recycled (Processed and Marketed)



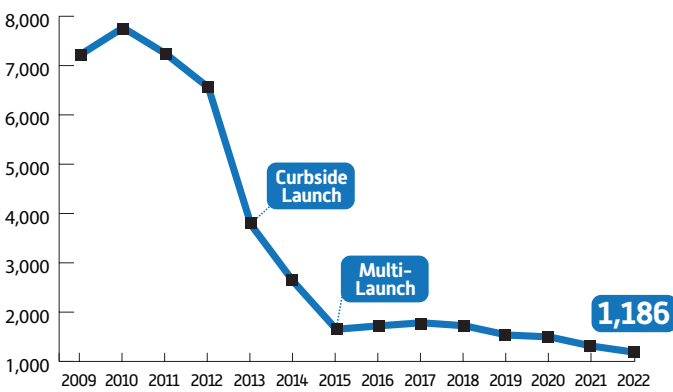
Recycling



Recycling Depots

In 2022, **1,186 tonnes** of recyclable material was collected from the depots. A total of 22 bins from the recycling depots were flagged during the year as 'contaminated' loads, with the contents of the bins transported to the Saskatoon Landfill for disposal. The number of "contaminated" loads was 16 in 2021.

**Tonnes - Recycling Depots
(Processed and Marketed)**



Depot Changes in 2022 :

- Hours and depot access were restricted at Lakewood Recycling Depot as part of a pilot and comprehensive review of the Recycling Depot program.
- Service levels were raised to five collections per week and seven site clean-ups per week.

SARCAN Glass Recycling Partnership

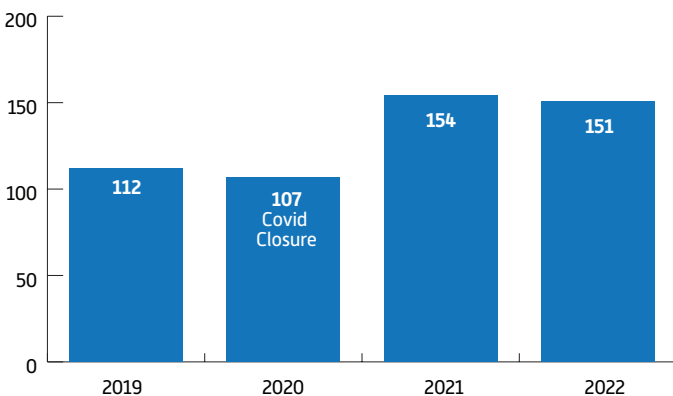
The Glass Recycling Partnership between SARCAN Recycling and the City of Saskatoon has been going since 2019.

2022 Tonnage = **151 tonnes of household glass**

- **131 tonnes** of clear glass was recycled as reflective glass beads (used in road paint)
- **19 tonnes** of coloured glass used to manufacture fiberglass insulation

Historical program tonnages are shown in the chart below:

Tonnes - Household Glass



Recycling



Multi-Material Recycling Program

In 2022, the City received **\$41.75** per household, up from \$31.75 per unit in 2021 for a total of **\$4,552,700**.

- Multi-Material Recycling Program is the waste packaging and paper stewardship program that requires businesses selling or distributing packaging and printed paper materials to help finance the collection and recycling of household packaging and paper.
- Funding was applied to operating programs that promote waste reduction and diversion including the Multi-Unit Residential Recycling Program.
- Funding was also applied to capital projects for research and development of environmental initiatives including development of additional waste diversion programs.



Garbage



Garbage Collections

Total Garbage Collected and Disposed in 2022: **62,065** tonnes [compared to 64,100 in 2021].

- **68%** of the material landfilled was collected by the City
- Single-family and multi-unit residential sources make up the majority of waste collected by City trucks
- Some commercial collections are combined with collections from multi-unit residential properties
- Waste was funded through a combination of property tax and user fees

Garbage Collection for Single-family Residential Households

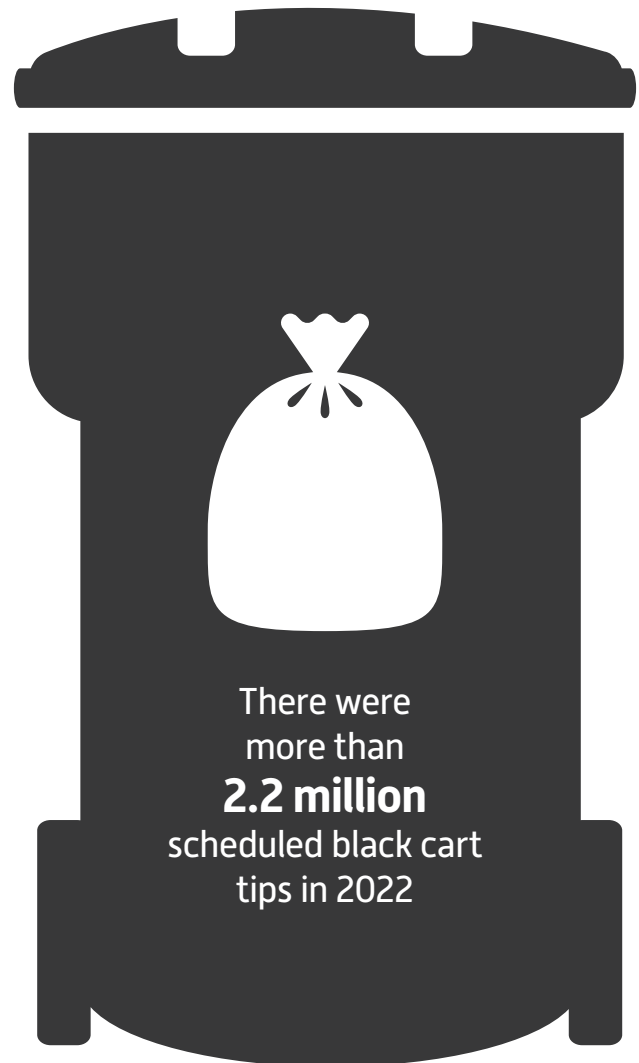
- An estimated **44,700 tonnes** of residential garbage was collected from single-family households

Garbage Collection for Multi-unit Residential Properties

- The City offers a weekly garbage collection to apartments and condominiums
- **82%** of multi-unit residential properties were serviced by the City in 2022

Garbage Collection for Commercial Customers

- In 2022, there were approximately **398 external commercial customers** and **25 internal City of Saskatoon customers**



Garbage



Saskatoon Regional Waste Management Centre (Landfill)

- In 2022, approximately **143,000 tonnes** of material was accepted at the Saskatoon Regional Waste Management Centre
- **92,000 tonnes** required burial (garbage)
- **50,700 tonnes** were used as landfill cover (clean fill)
- Approximately **500 tonnes** of material was separated for outbound recycling

Landfill Customers

Number of landfill visits in 2022 = **77,458**

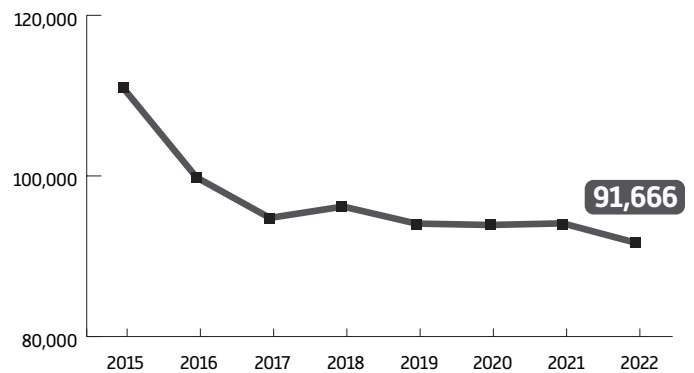
(Compared to **85,171** in 2021)

- **82%** were chargeable vehicles
- The balance of customer visits were non-chargeable loads including soil, used oil, and City collection vehicles.

2022 Tipping Fees (Landfill): \$105/tonne

- plus entry fee of \$15 per vehicle
- loads less than 150kg are only charged \$15 entry fee

Tonnes of Material Landfilled (Buried)



Other Waste Programs



Household Hazardous Waste Collection Program

Household hazardous waste poses a number of potential risks to human health and the environment. Improperly disposed HHW can enter a municipal wastewater system or contribute to subsurface leaching of landfills. It can also result in contamination of soil, surface water and groundwater systems.

2022: **130 tonnes** from **3,458 participants**.

- 8 Events
- Cost \$327,546

In 2022 we saw an average of **432 participants** per event and received a total of **130,319 kg** of hazardous waste.

This program is for residential or household hazardous waste only.



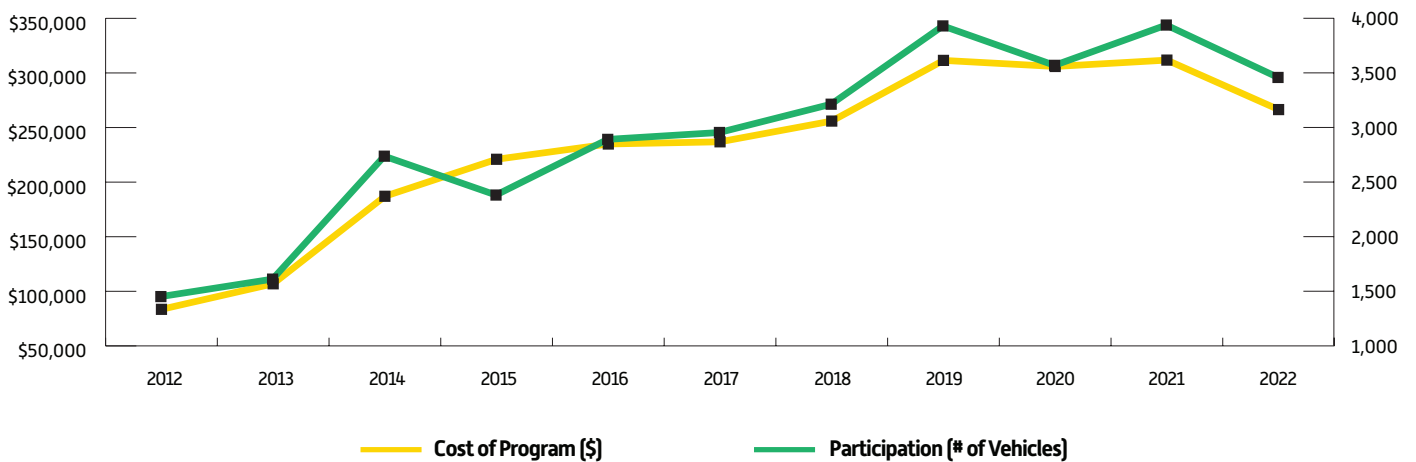
Other Waste Programs



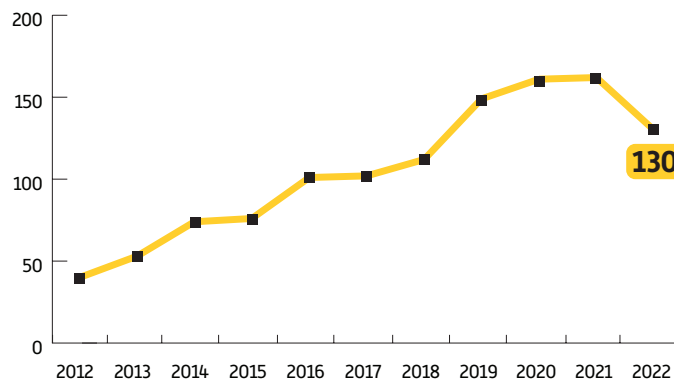
2022 HHW Material Summary

FLAMMABLE LIQUIDS 47%	USED OIL & ANTIFREEZE 22%	OTHER/MISCELLANEOUS 14%
COMPRESSED GAS 7%	BATTERIES 7%	OTHER CATEGORIES 3%

Annual Cost of the HHW Program vs. Annual Participation of the HHW Program 2012-2022



Tonnes of Household Hazardous Waste Material Collected



Education, Outreach, and Enforcement

2022 Highlights

The City works collaboratively to ensure residents, businesses, and other organizations are informed on waste-related education. Highlights for the year are shown in the table below. **Appendix B** shows a selection of campaign material from 2022.

Quarter 1 (January, February, March)
<ul style="list-style-type: none">➤ The first bylaw in Saskatchewan requiring businesses and organizations to divert recyclables and organics came into effect January 1.➤ During 2022, Waste Bylaw updates for the future curbside organics program were prepared and made. The updates also covered residential backyard composting and requirements for hauling construction & demolition waste (ensuring loads are covered)➤ Spring recycling campaign focused on contaminants and pointed people to the waste wizard
Quarter 2 (April, May, June)
<ul style="list-style-type: none">➤ Environmental Protection Officers (EPOs) participated in targeted outreach at the compost depots➤ EPOs participated in spring Community Clean-ups➤ The Recycling Education Unit (REU) education trailer became the first solar-powered trailer in Saskatchewan making the unit 100% self-sustainable with a closed loop energy system
Quarter 3 (July, August, September)
<ul style="list-style-type: none">➤ The “Unsure What’s Recyclable – Ask the Waste Wizard,” campaign promoted the use and download of the ‘Saskatoon Waste Wizard’ application with a goal to reduce contamination and give residents access to an educational tool. This campaign seen a 63% increase in app downloads since advertisements began in 2021➤ EPOs participated in fall Community Clean-ups
Quarter 4 (October, November, December)
<ul style="list-style-type: none">➤ Educational resources and supports were released to aid businesses and organizations meet the recycling portion of the bylaw that came into effect January 1.➤ The “Naughty or Nice, Recycling Advice,” campaign promoted holiday-specific waste diversion programs and reuse and reduction habits.

Education, Outreach, and Enforcement



- The Saskatoon Waste Wizard application and web widget continue to see increased usage and has become a proven tool for given residents the information they need with an increase of user sessions from 2021 to 2022.
- The City's Environmental Protection Officers (EPOs) focus on issues in the community related to Bylaw No. 9844, The Waste Bylaw. In addition to education on and enforcement of The Waste Bylaw, Environmental Protection Officers are also responsible for responding to hydraulic spills, illegal dumping, and waste and recycling container complaints, as well as conducting bylaw related education initiatives for the general public.



The Path Forward

Curbside Organics

2023 is the year that the City will finally launch a city-wide Curbside Organics program to all curbside households. Collection will be every two weeks (biweekly) and the cart size for the program will be 360 L (similar to the size of cart for garbage, recycling, and the current green cart subscription program). The program will be funded as a utility program, the same as recycling.

Processing of material for the Curbside Organics program will be completed by a third-party. The current subscription program list (Green Cart Acceptable Items) plus additional items will be accepted in the new program, including:

- **BPI Certified Compostable Bags** and Kraft (cardboard bags)
- **Meat, seafood, and bones**
- **Dairy** products, including milk, yogurt, butter & cheese
- **Fats, cooking oils, & food grease**

ICI Organics

A bylaw requiring the ICI sector to divert organics from the landfill will come into effect July 1, 2023. This bylaw will only affect those businesses and organizations that produce food or yard waste as part of their operations. A program similar to that of the 2022 recycling regulation is currently in development.

Recovery Park

Recovery Park is working towards an opening date at the end of Summer 2023. Planning and recycling service contracts will be finalized in 2023.

Multi-Unit Organics Pilot

The City will be starting a pilot study in 2023 to gather more information and explore some different program options for diverting organics at multi-unit residential properties.

The Path Forward

2022 Feature: Extended Producer Responsibility – Towards a Fully Funded Program?

Extended producer responsibility (EPR) is an environmental policy approach in which a producer’s responsibility (physical and/or financial) for a product is extended to the post-consumer stage of the product’s life cycle.

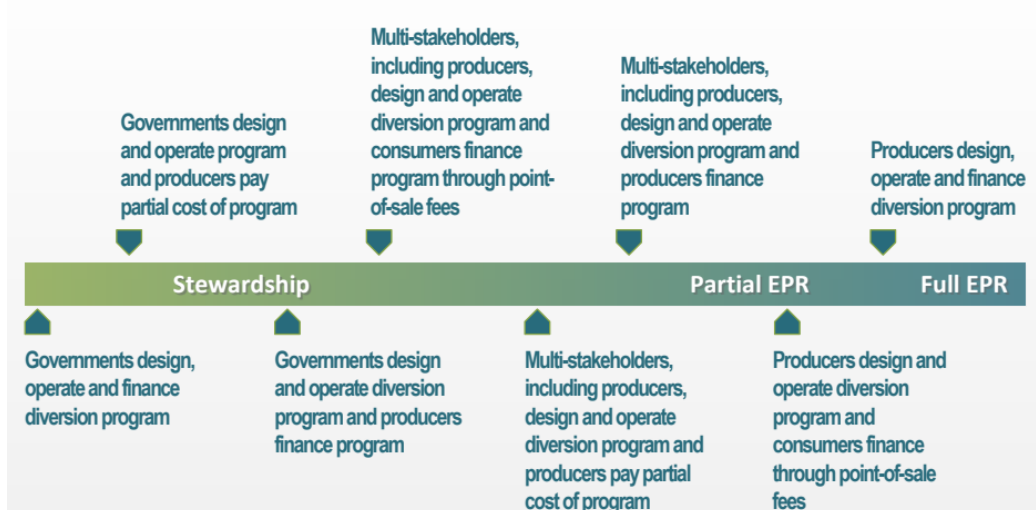
EPR shifts responsibility upstream in the product life cycle to the producer and away from municipalities and regional waste authorities .

As a policy approach it provides incentives to producers to incorporate environmental considerations into the design of their products. **EPR** also shifts the historical public responsibility for some waste to the individual brand owner, manufacturer or first importer.

Multi-Material Stewardship Western (**MMSW**) launched its program in Saskatchewan on January 1, 2016. This means businesses selling or distributing packaging and printed paper materials now share the responsibility with municipalities to finance the collection and recycling of household packaging and paper.

The Ministry of Environment conducted engagement on proposed draft regulations and a summary of the proposed changes from May 12 to June 30, 2022. The proposed changes consider harmonizing the regulations with neighbouring jurisdictions and shifting to a program **fully funded** and operated by producers. Municipalities, First Nations, businesses, waste collectors and other interest groups provided feedback on the draft regulations through virtual engagement sessions, written feedback and individual meetings. The Ministry released regulations on March 31, 2023 and will receive a program plan in Fall 2023.

Transitioning Product Stewardship to Full EPR



Appendix A – Solid Waste Plan Update

Solid Waste Reduction and Diversion Plan Progress Report

The Solid Waste Reduction and Diversion Plan’s actions are listed below with their status when this report was completed in May 2023.

Each action is expected to move through various phases to reach completion or operations, as described in the table below. Based on the specific project or program, the time it takes to move through the phases will vary. Timeline progression for each project or program is shown using the Legend below.

Legend

Phase		
○○○○	Not Started	No work has occurred on this action yet.
●○○○	Initiation	Includes the initial steps to define an initiative’s scope, including a preliminary assessment of the City of Saskatoon baseline and review of best practices. The outcome of this phase is often a business case, leading to a budget proposal and resource request.
●●○○	Development	Includes feasibility work, research, studies, frameworks, assessments, inventories, engagement, or pilots, and is typically completed using capital funding. The result is often a decision or approval report outlining options, implications, and the Administration’s recommendation on how to proceed with the initiative.
●●●○	Implementation	Includes completing everything required to put Council’s decision into action. The specific requirements will be defined during the development phase and may include preparing or amending a policy, bylaw, or procedure; creating a management plan or establishing a level of service; preparing or modifying a program; or acquiring land. Implementation typically utilizes capital funding with a transition plan to operating funding, which requires budget approval.
●●●●	Complete/ Operational	Includes ongoing maintenance and management of green infrastructure, or ongoing delivery of a program to meet expected service levels. Once operational, budget adjustments are made to reflect the actual program cost..

Status		
green	On Track	This action is on schedule or has resources identified within the two year budget cycle. Some actions are expected to move through all phases within a single budget cycle while others are expected to take multiple budget cycles.
yellow	Delayed	This action is delayed or likely to be delayed and will occur in a future budget cycle.
grey	Not Proceeding	This action is not expected to progress within the 10-year timelines of the Solid Waste Reduction & Diversion Plan.

Appendix A – Solid Waste Plan Update

Complete

Action	Phase and Status	Progress
Requirements for businesses and organizations (ICI) to divert recyclables and organics	●●●●	The Waste Bylaw was updated to include the recycling and organics regulation for the ICI sector and the supporting program's design was completed. Recycling education phase launched in the fall of 2022 and organics is planned for 2023.
Recycling depots: immediate safety/contamination improvements	●●●●	A pilot for reduced hours for the Lakewood depot and increases to service levels for all three city depots have been approved in 2022. Pilot results will be reported later in 2023.
Provincial household hazardous waste regulation	●●●●	The cost to operate the HHW program is now partially offset by the stewardship group Product Care. Opportunities for further expansion through a permanent HHW depot are being explored through the Recovery Park project.
Accessible curbside collections program	●●●●	The new Assisted Waste Collections Program was approved in February 2022 and applications are currently being accepted. Operational funding is still required.
Requirements for storage and safe collection of waste at multi-unit buildings	●●●●	The requirements have been completed for the current collection programs offered to multi-unit buildings. Additional changes due to new programs, including organics, may be needed in the future.

In Progress

Action	Phase and Status	Progress
Residential curbside organics	●●●○	Implementation continued through 2022 with cart procurement, development of a utility rate, and routing. A comprehensive communications campaign began in Q1 2023 with collection commencing in May 2023.
Recovery Park	●●●○	Construction of Recovery Park is near completion. 2022 saw progression in operations planning and procurement of diversion services. The site is scheduled to open to the public in Q3 2023.
Landfill Gas Expansion Project	●●●○	Procurement began for the \$4M phase 1 of the Landfill Gas Expansion Project. Construction is expected to begin and finish in 2023.

Appendix A – Solid Waste Plan Update

Short Term (2021–2023)

Action	Phase and Status	Progress
Business and organization waste diversion regulation compliance	●●○○	Funding is in place and the project is expected to begin in 2023, starting with recycling at City owned buildings. This action has been paired with the development of a Green Teams program that will engage and educate staff on sustainability in the workplace.
Emergency waste management and recycling strategy	●●○○	Funding is in place to initiate this work in 2023 to prepare the City for waste-related service disruptions as well as handling of waste that may be generated through emergencies, such as severe weather.
Compost depot program review	●●○○	Data collection on the baseline use of the compost depots and plans to track changes with the new curbside organics program are being prepared. This review is planned to start following the launch of the curbside organics program.
Mandatory residential multi-unit organics	●●○○	Work began in 2022 to develop a multi-unit organics program, including a pilot in 2023 to address local conditions, such as weather, and anticipated challenges with the introduction of a multi-unit organics program.
Construction and demolition waste diversion: City of Saskatoon options	●●○○	Work will begin in 2023 to assess current C&D disposal practices for City projects and assess policy options to promote waste diversion and use of Recovery Park. This also includes assessing the City's construction specifications and, where feasible, include recycled content consistent with materials accepted at Recovery Park.
Recycling market development for Recovery Park	●●○○	Work began in 2022 and continues in 2023 to support recycling market development for Recovery Park to help ensure that diversion opportunities are maximized.
Disposal ban at the Saskatoon Landfill	●●○○	To accommodate the adjustments to the ICI waste diversion regulation timeline and work on the curbside waste utilities during this budget cycle, this will likely be delayed to 2024.
Recycling depot program review	●●○○	Data collection on the baseline use of the recycling depots and plans to track changes with the immediate changes (above) and Recovery Park opening are being prepared. This review is planned to start following the opening of Recovery Park.
Waste reduction through procurement and specifications	●●○○	This action is being addressed through the Triple Bottom Line project workplan, which includes supporting the development, accountability, and monitoring of a sustainable procurement framework with templates, procedures, and training to enable the City to use its purchasing power to increase sustainability outcomes.
Federal single-use plastic ban and performance standards for plastics	●●○○	Regulation of single-use plastics began in 2022 with the prohibition of manufacturing and importing for sale of banned products. Distribution will be prohibited in December 2023, allowing businesses one year to use existing stock.
Provincial stewardship program review	●●○○	The provincial government has approved new recycling regulations for paper and packaging in early 2023 that will move towards 100% producer responsibility. A program plan will need to be submitted by a producer responsibility organization by fall 2023.

Appendix A – Solid Waste Plan Update

Medium Term (2024–2025)

Actions	Phase and Status	Progress
2024 Waste Characterization Study		A multi-sector waste characterization study is planned and funded for three years, starting in 2023. The study will include the curbside, multi-unit and ICI sectors.

Long Term (2026+)

Actions	Phase and Status	Progress
Economic incentive tools to support reduction and diversion		Direction was provided to implement a utility for the curbside organics program in 2023 and to design a variable rate garbage utility for 2024. A Waste Utility Low-Income Subsidy was approved in 2022 and will launch with the new utility in 2024.

Additional Action

Actions	Phase and Status	Progress
Proper Disposal of Elm Wood Waste		Research and a pilot project were completed in 2022. Additional project funding is available in 2023 for enhanced education and elm wood disposal and fees has been incorporated into the Recovery Park project.

The following actions have not been initiated and business cases will be prepared for future budget deliberations.

Medium-Term Actions (2024–2025)	Long-Term Actions (2026+)
<ul style="list-style-type: none"> ▶ Long-term waste management service and sustainability plan ▶ Special/bulky waste program for collection, recycling and disposal ▶ Construction and demolition waste diversion: community options ▶ Public space and event waste reduction ▶ Food waste reduction program ▶ 2025 Waste Reduction and Diversion Plan Update 	<ul style="list-style-type: none"> ▶ Share, reuse, and repair program ▶ Textile and apparel reduction and recycling program ▶ Landfill closure and replacement plan

Appendix B – Education Highlights

2022 Education Highlights

Recycling Awareness Campaigns

Summer Recycling Campaign

The “*Unsure What’s Recyclable? – Ask the Waste Wizard*,” campaign saw a 63% increase in app downloads since advertisements began in 2021.



Holiday Recycling Campaign

The “*Naughty or Nice, Recycling Advice*,” campaign promoted holiday-specific waste diversion programs, along with tips for waste reduction during the holidays.



Recycling Education Programs

Saskatoon Waste Wizard

The Saskatoon Waste Wizard application and web widget continue to see increased usage and are proven to be assets for residents to independently learn about waste and recycling programs in the City, with a 25% increase in user sessions from 2021 to 2022. The Business Waste Wizard (Biz Wiz) launched with the Recycling education program for businesses and organizations in Fall 2022.

Appendix B – Education Highlights

Recycling Education Unit (REU)

The trailer aids residents in forming proper recycling habits and brings awareness to other recycling and waste diversion programs. In 2022, the REU attended 30 public events in Saskatoon and interacted with 5,397 people. The trailer is being updated in Spring 2023 and will be called the "Waste Reduction Wagon" from that point forward.



Business Recycling Regulation and Education

The first bylaw in Saskatchewan requiring businesses and organizations to divert recyclables and organics came into effect January 1, 2022.

The City developed resources and released an education program on October 20, 2022 to assist Saskatoon businesses and organizations with meeting these new Bylaw requirements, and to communicate the City's availability for assistance along the way. This awareness campaign pointed businesses to the support and education program, including: a new web page, direct line to knowledgeable staff, animated How-To education video, Bylaw exemption webform, Recycling Guide for Businesses and Organizations, sample signage, waste audit information, Lunch and Learns and site visits, and launch of the Business Waste Wizard (Biz Wiz) Tool.



2022

Integrated Waste Management Report

Sustainability | Water and Waste Operations

Towards70%
SASKATOON'S WASTE DIVERSION TARGET



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