



# **SUMMARY OF THE 2023-2029 RESIDUAL MATERIALS MANAGEMENT PLAN**



# RMMP

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***A residual materials management plan (RMMP) is a planning tool for managing the residues generated within a given territory. In Quebec, RMMPs are governed by the Environment Quality Act. They must be reviewed every seven years and support the objectives of the Québec Residual Materials Management Policy (Policy).***



# The fundamental objective of the Policy is to ensure that the only residual material disposed of in Québec is ultimate waste.

THE POLICY ADDRESSES THREE MAJOR RESIDUAL MATERIALS MANAGEMENT ISSUES



PUTTING A STOP  
TO WASTING  
RESOURCES



HELPING TO REACH  
THE GOALS SET FORTH IN THE  
CLIMATE CHANGE ACTION PLAN



EMPOWERING AND HOLDING  
ALL PARTIES INVOLVED  
IN RESIDUAL MATERIALS  
MANAGEMENT ACCOUNTABLE





Ville de  
**Gatineau**

# **2023-2029 RMMP**

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**6 AREAS OF INTERVENTION**

**30 MEASURES**

**An additional \$1.1 M investment annually from 2023 to 2029, including for new human resources.**

# OVERVIEW OF THE 2016-2020 RMMP

GATINEAU'S POPULATION AND ITS MUNICIPAL ADMINISTRATION TACKLED SEVERAL CHALLENGES DURING THE IMPLEMENTATION OF THE 2016-2020 RMMP, AND THEY HAVE GOOD REASON TO FEEL PROUD.

**23 of the 29 measures (80%) set forth in the 2016-2020 RMMP were implemented.**

Gatineau distinguished itself through its ambitions and leadership, namely by:

- ✓ delivering gray bins and introducing tagged overflow garbage bags for units with curbside collection;
- ✓ collecting compostables and recyclables from schools and daycares throughout the territory; and
- ✓ deploying brown bins in multi-unit residential buildings.

The volume of garbage generated by the residential sector has fallen considerably over the past few years, as reflected in the following chart. In 2020, Gatineau ranked first among the big cities in Quebec in terms of generating the smallest volume of garbage per inhabitant.

## VOLUME OF GARBAGE GENERATED PER INHABITANT (KG/INHAB.) (2006-2020)



# PROFILE

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## POPULATION

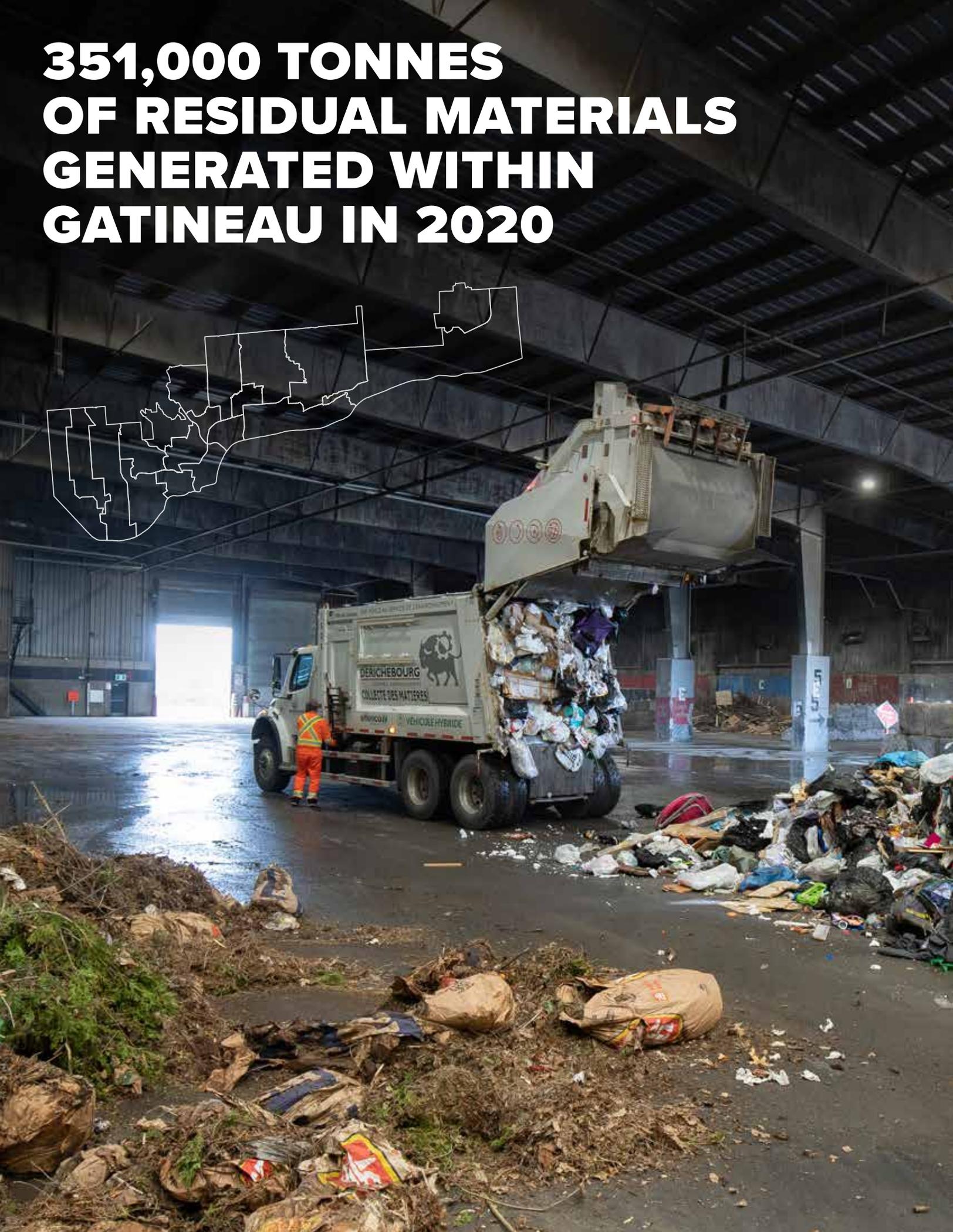
- ✓ In 2020, Gatineau had 290,000 inhabitants.
- ✓ The strongest demographic growth is in the Aylmer sector.
- ✓ By 2029, the population is expected to reach 315,500.

## UNITS SERVED

- ✓ In 2020, Gatineau's residual materials management services covered 135,000 dwellings.
- ✓ Between 2020 and 2029, an additional 1,750 dwellings could be added on average every year.
- ✓ It is expected that a greater proportion of units served will be in multi-unit residential buildings.



# 351,000 TONNES OF RESIDUAL MATERIALS GENERATED WITHIN GATINEAU IN 2020

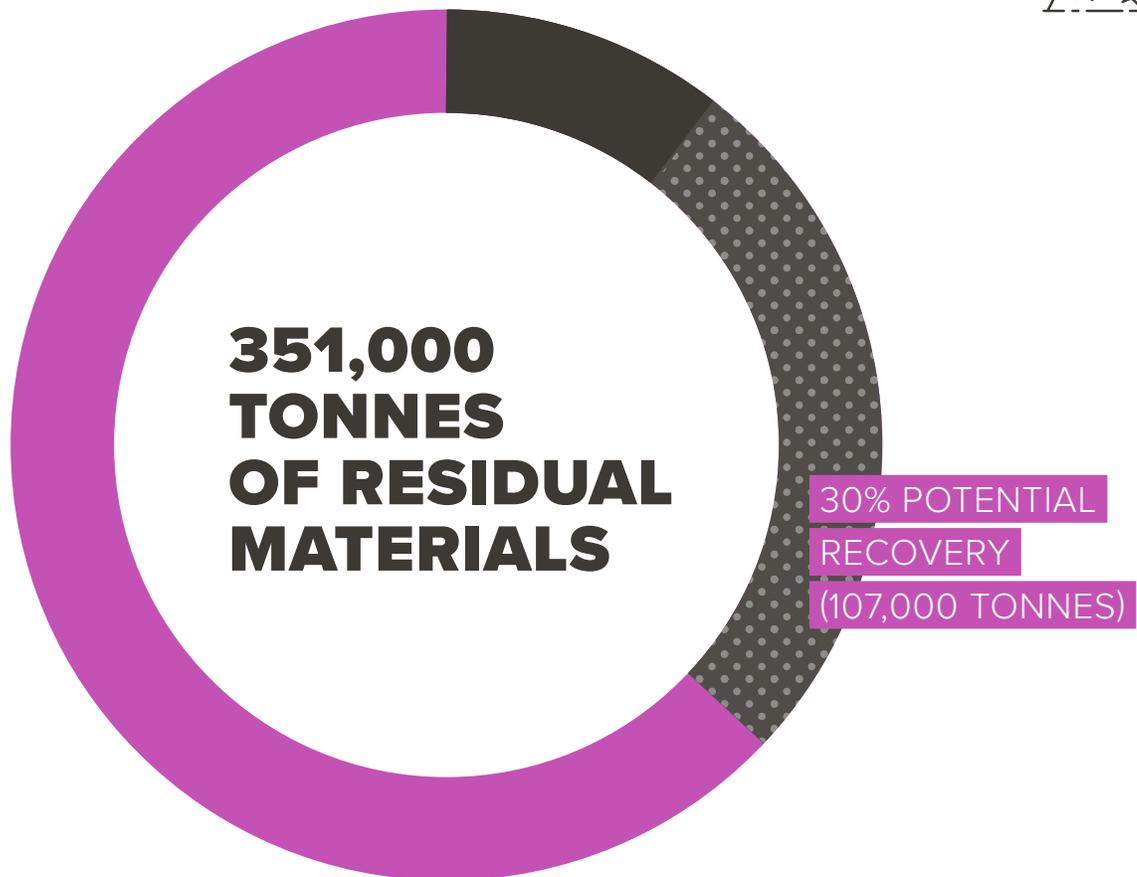


# RESIDUAL MATERIALS MANAGEMENT IN GATINEAU IN 2020

In 2020, 37% of residual materials generated within Gatineau were sent to landfill when only 7% should have been!

# 37%

DISPOSAL



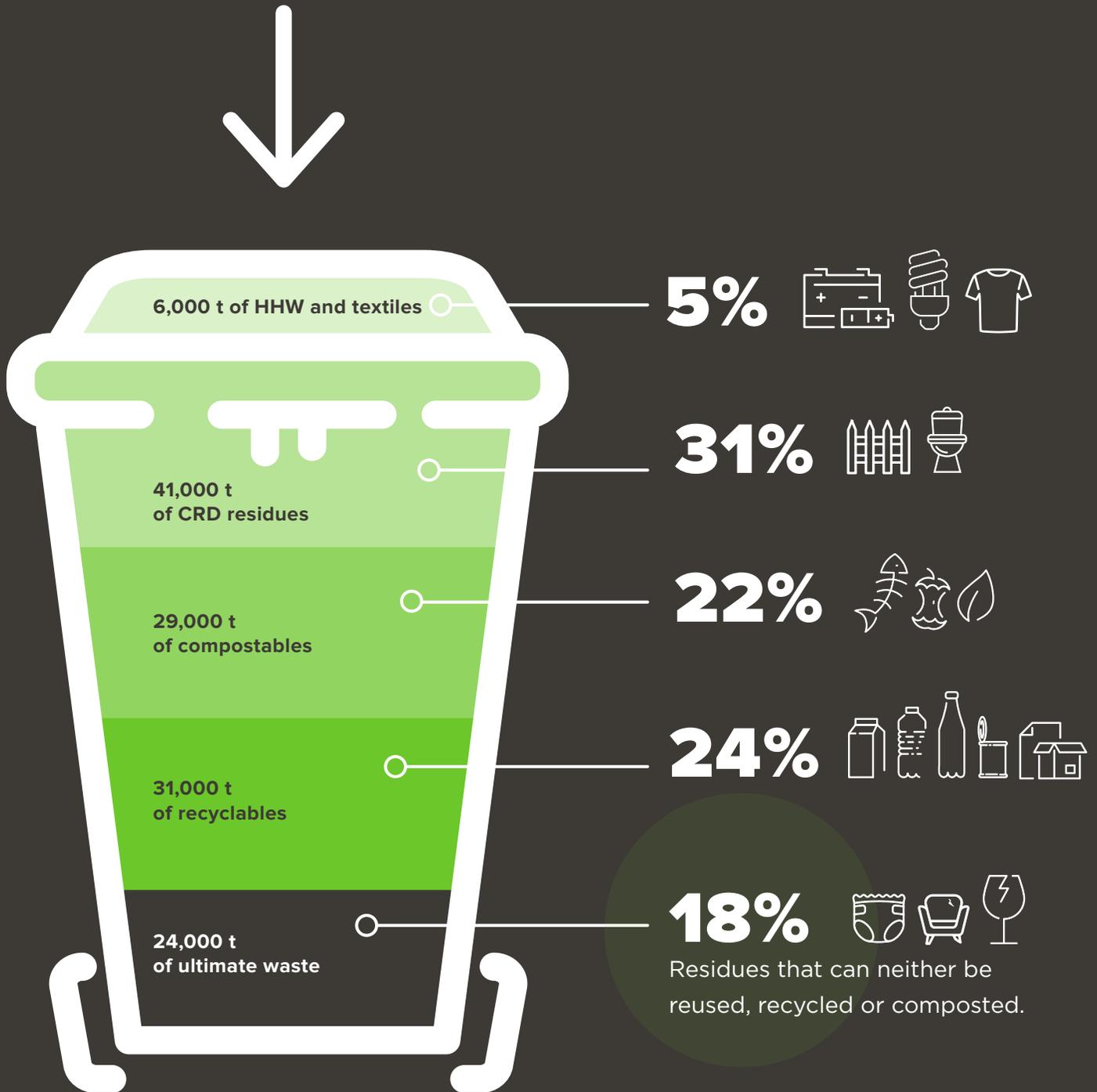
# 63%

RECOVERY



# A PORTRAIT OF RESIDUAL MATERIALS SENT TO LANDFILL IN GATINEAU IN 2020

In 2020, of the 131,000 tonnes of residual materials sent to landfill, only 18% was ultimate waste. That means the other 82% could have been recovered!





***Through its climate plan,  
Gatineau has committed to becoming  
carbon-neutral by 2050.***

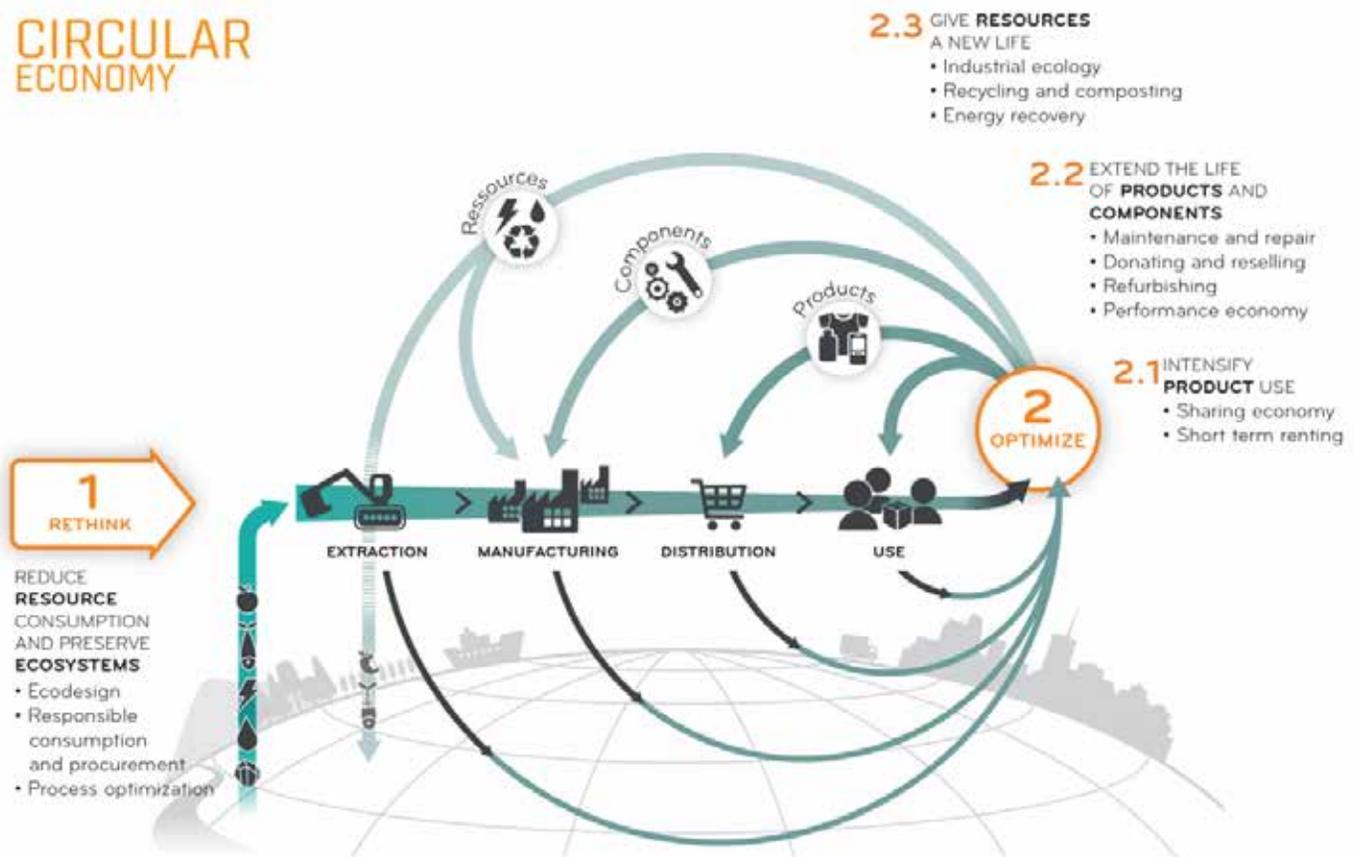
***As its contribution to this goal and to respond to the climate  
emergency, by 2050, Gatineau will be:***

- ✓ A zero-waste city that recycles and recovers 100% of its  
residual materials;***
- ✓ A circular city that optimizes resource use in accordance with  
the principles of the circular economy.***

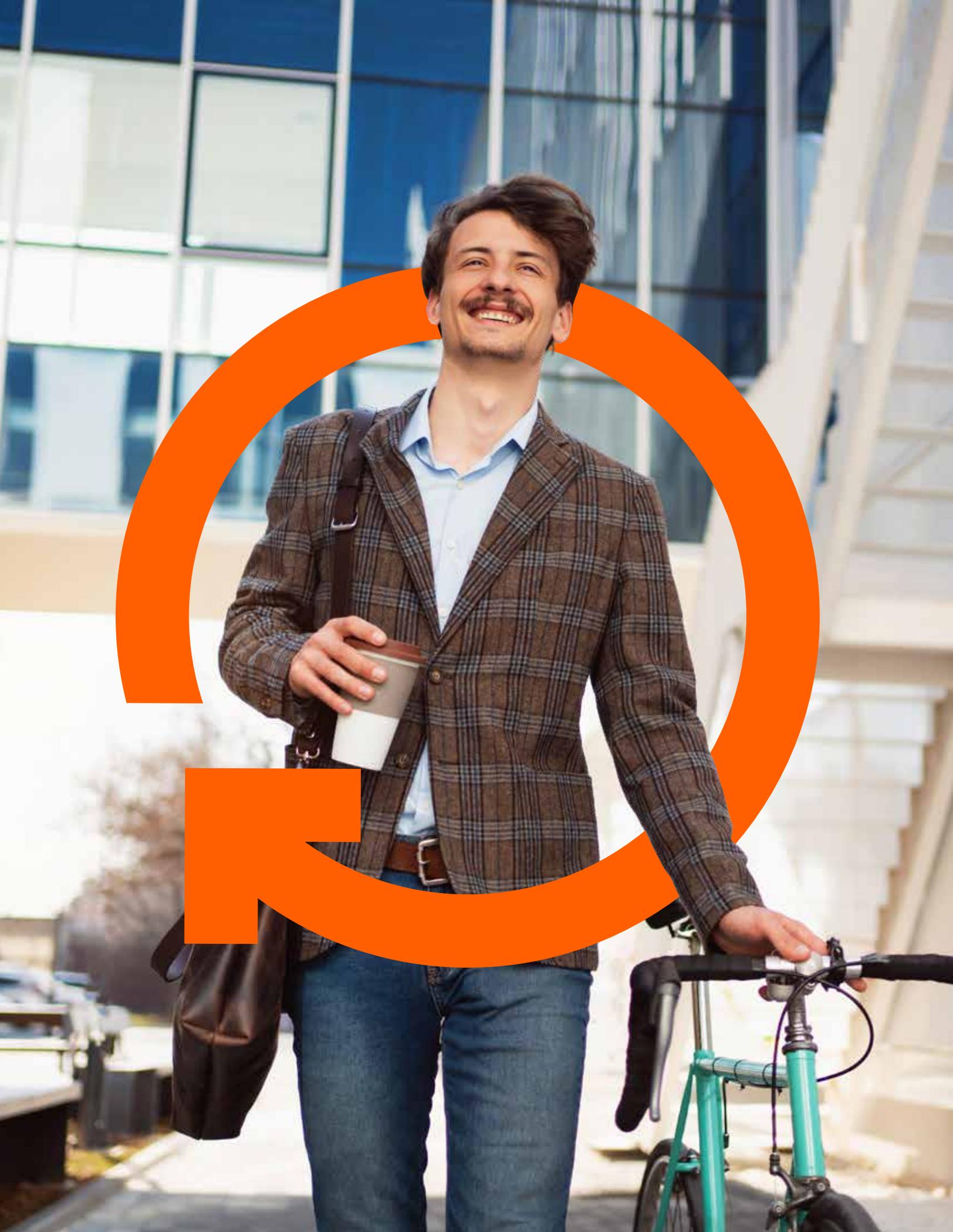
# CIRCULAR ECONOMY: DOING MORE WITH WHAT'S ALREADY THERE!

The circular economy is defined as “a production, exchange and consumption system aiming to optimize resource use in every stage in the life cycle of a product or service through a circular approach, reduce the environmental footprint and contribute to the well-being of individuals and communities” (Québec Circulaire, 2021).

## CIRCULAR ECONOMY



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# ORIENTATIONS



## SHARED OBJECTIVES

Help achieve the government's goals for residual materials management, which include compliance with the 4R-D hierarchy, with a focus on reducing at the source and reusing residual materials.

**R** Reduce  
at the  
source

**R** Reuse

**R** Recycle

**R** Recover

**D** Dispose



## SHARED RESPONSIBILITY

Get every resident, in particular the industrial, commercial and institutional (ICI) sector, to take greater responsibility for adopting best practices regarding sorting, recovering and managing their residual materials in accordance with the principles of the circular economy.



## ACCESSIBILITY

Facilitate access by every resident, at home as in the ICI sector, to effective residual materials management programs and services within Gatineau.



## AWARENESS-RAISING

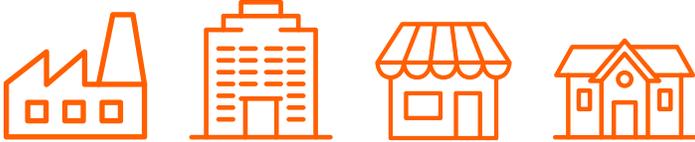
Continue to inform, raise awareness, educate and guide residents in order to get them to rethink their consumption, optimize their use of products and services, and better manage the residual materials they generate.



## SETTING THE EXAMPLE

Make the municipal organization an example to follow when it comes to residual materials management, and develop a corporate RMMP for Ville de Gatineau

# GOALS



## FOR ALL SECTORS BY 2029

- ✓ reduce the volume of residual materials generated per inhabitant by prioritizing reduction at source and reuse;
- ✓ reduce territory-wide elimination to less than 200kg per inhabitant;
- ✓ reduce regional vulnerability related to waste treatment; and
- ✓ recover 70% of construction, renovation and demolition (CRD) residues generated.



## FOR THE ICI SECTOR BY 2029

- ✓ recover 75% of recyclables generated; and
- ✓ recover 60% of compostables generated.



## FOR THE RESIDENTIAL AND ORGANIZATIONAL SECTORS BY 2029

- ✓ recover 85% of recyclables generated;
- ✓ recover 85% of compostables generated;
- ✓ recover 85% of CRD residuals generated as part of the municipal residential service;
- ✓ reduce by 75% the amount of discarded textiles; and
- ✓ aim for full elimination of household hazardous waste from household trash.



# 2023-2029 ACTION PLAN

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THE 2023-2029 RMMP ACTION PLAN PROPOSES 30 MEASURES THAT WILL BE NEEDED TO ACHIEVE THE STATED GOALS, ARTICULATED AROUND SIX AREAS OF INTERVENTION. THERE WILL ALSO BE A MEASURE RELATED TO RMMP MONITORING AND REPORTING.

## AREA 1: REDUCTION AND REUSE

Seven measures will help reduce and reuse more residual materials:

- Measure 1** Run information, awareness and education (IAE) campaigns targeting residents to reduce at the source and reuse
- Measure 2** Run IAE campaigns targeting the ICI sector to reduce at the source
- Measure 3** Provide financial support to organizations in Gatineau that help reduce and reuse
- Measure 4** Increase the recovery of textiles and prohibit their disposal
- Measure 5** Provide guidelines on the sale and distribution of certain single-use items
- Measure 6** Provide guidance to the ICI sector to reduce food waste
- Measure 7** Provide guidance to the ICI sector to reduce clothing waste

## AREA 2: MUNICIPAL ORGANIZATION

Five measures aim to improve residual materials management (RMM) by Gatineau's municipal administration:

**Measure 8** Develop and roll out the roadmap for the transition to a circular economy

**Measure 9** Roll out an IAE program and advisory services on RMM

**Measure 10** Optimize the collection of residual materials in public places and municipal buildings

**Measure 11** Facilitate the management of residual materials by organizations receiving support from Ville de Gatineau

**Measure 12** Develop and implement a corporate RMMP

## AREA 3: ICI SECTOR

The ICI sector is currently the one that recovers the lowest proportion of residual materials. Significant volumes of its recyclables and compostables are discarded. It is estimated that 24% of recyclables and only 7% of compostables are recovered.

By 2029, the goals are to recover 75% of recyclables and 60% of compostables, thereby contributing to the objectives of the 2019-2024 action plan of Québec's Residual Materials Management Policy.

Thus, considerable efforts will be made for this sector in the 2023-2029 RMMP in order to achieve those goals.

	CURRENT SITUATION (2020)			GOALS FOR 2029	
	Tonnage discarded	Tonnage recovered	Current recovery	Recovery goals	Additional tonnage to be recovered to achieve those goals
Recyclables	27,500	8,500	24%	75%	+ 18,500
Compostables	16,600	1,200	7%	60%	+ 9,500

Three measures are proposed to increase the recovery of residuals in the ICI sector:

- Measure 13** Run IAE campaigns to encourage participation in the collection of compostables and recyclables in the ICI sector
- Measure 14** Offer a municipal service for the collection of compostables and recyclables from the ICI sector (2023-2029 RMMP flagship measure)
- Measure 15** Introduce by-laws making the collection of compostables and recyclables mandatory for the ICI sector

#### AREA 4: RESIDENTIAL SECTOR

Four measures are proposed to strengthen the performance of the residential sector:

- Measure 16** Run behaviour change campaigns adapted to the target audience for the residential sector
- Measure 17** Strengthen participation in collection programs and best practices in multi-unit residential buildings
- Measure 18** Optimize the collection of bulky waste
- Measure 19** Continue financial incentive programs for reducing household garbage

## AREA 5: CRD SECTOR

Four measures are directed at improving the management, sorting and recovery of residues in the construction, renovation and demolition sector:

- Measure 20** Inform and guide actors in the CRD sector regarding best practices for the management of CRD residues
- Measure 21** Contribute to the development of regional opportunities for CRD sector residues
- Measure 22** Include RMM performance and residual materials traceability provisions in municipal contracts
- Measure 23** Introduce by-laws requiring the sorting and recovery of residual materials in the CRD sector

## AREA 6: INFRASTRUCTURE AND FACILITIES

Six measures aim to enhance RMM facilities and infrastructures in Gatineau:

- Measure 24** Support the development of a regional waste recovery solution
- Measure 25** Continue optimizing the existing ecocentre network
- Measure 26** Enhance Gatineau's ecocentre network
- Measure 27** Increase access to drop-off points for batteries and electronics
- Measure 28** Facilitate and support the roll-out of reuse solutions
- Measure 29** Contribute to plans for municipal CRD residue storage sites

## MONITORING AND REPORTING

A final measure involves acquiring RMMP monitoring and reporting tools and mechanisms:

### Measure 30 Monitor and report on the RMMP

## FINANCIAL DETAILS

It is estimated that the resources needed to implement the 30 measures in the draft 2023-2029 RMMP will require 8 additional human resources. Those positions will be in project management, regulatory enforcement, administration and certain areas of RMM expertise.

The revenues associated with the ICI compostables and recyclables collection fee (action 14) will cover a large portion of the cost of implementing the 2023-2029 RMMP. In addition, the RMMP currently has an annual budget of \$575,000.

The 2023-2029 RMMP wage envelope and financial expenditures are currently estimated to add up to an additional annual investment of \$1.1 M.

Implementation of the 2023-2029 action plan will generate significant savings from achieving the recovery goals and increasing the redistribution of subsidies for elimination based on Gatineau's good performance. Moreover, Gatineau will be able to take advantage of several government subsidies for implementing the different measures.

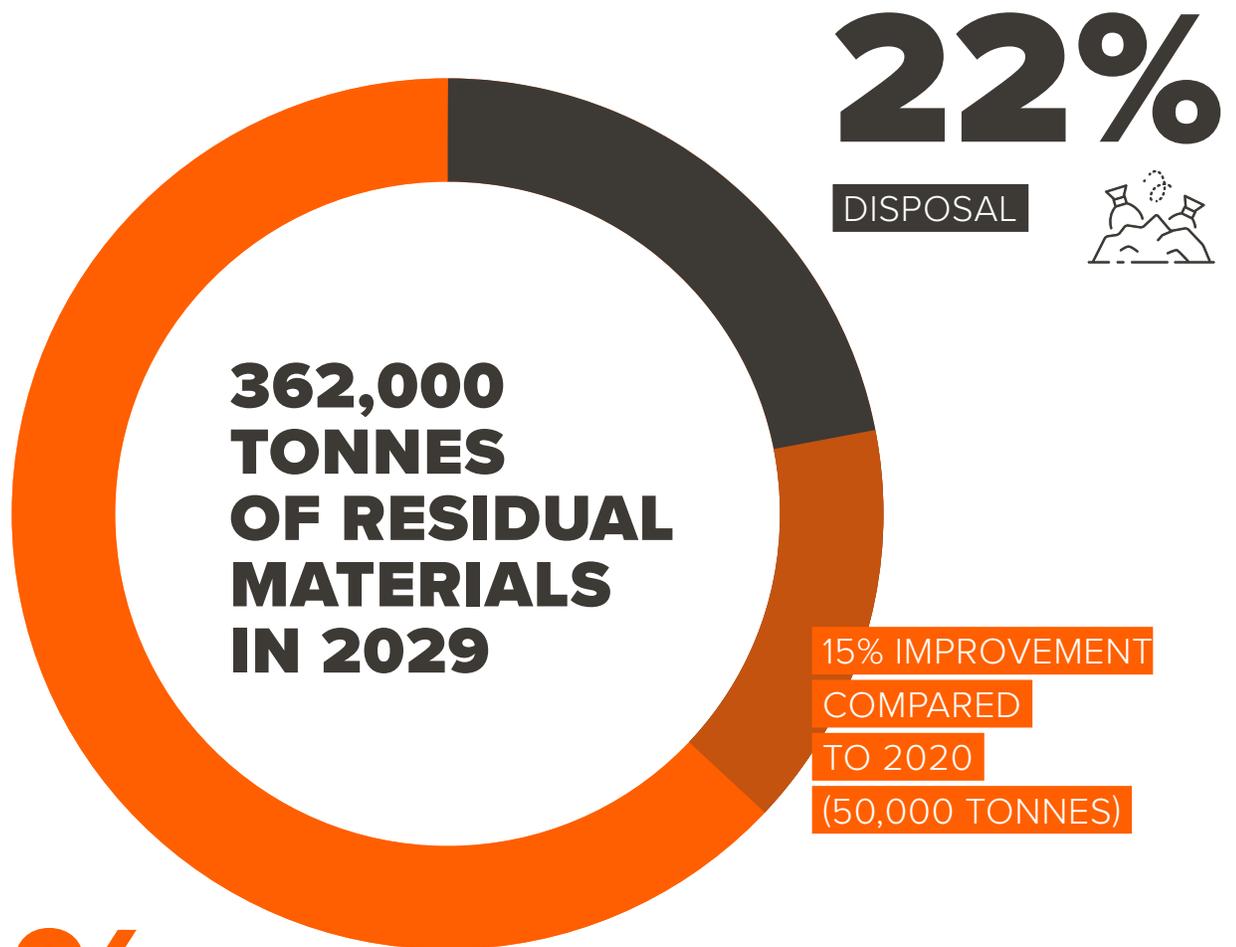
AREA	ADDITIONAL* HR REQUIRED FOR 2023-2029	ANNUAL EXPENSES (\$)
Reduction and reuse	+ 1/2	\$360,000
organizational	+ 1	\$60,000
ICI	+ 3 1/2	\$3,700,000
Residential	+ 2	\$220,000
CRD and infrastructure and facilities	+ 1	\$215,000
Monitoring and reporting		\$70,000
Gross annual cost	\$1,080,000	\$4,625,000
<b>Total gross annual</b>		<b>\$5,705,000</b>
Revenues from action 14		(\$4,030,000)
Current RMMP budget		(\$575,000)
<b>Total net annual for 2023-2029</b>		<b>\$1,100,000</b>

*\*These resources are in addition to the existing permanent positions, that is to say three RMMP project officers and one RMMP supervisor positions.*

# CONCLUSION

ACHIEVING THESE RECOVERY GOALS WILL RESULT IN A SIGNIFICANT CHANGE IN THE COMPOSITION OF WASTE IN THE TERRITORY AND IN A HIGHER RATE OF DIVERSION OF RESIDUAL MATERIALS FROM LANDFILL THROUGH APPROPRIATE COLLECTION METHODS.

PROJECTED RESIDUAL MATERIALS MANAGEMENT  
IN GATINEAU BY 2029



# 78%

RECOVERY



## PROJECTION OF RESIDUAL MATERIALS SENT TO LANDFILL IN GATINEAU IN 2029



On the whole, implementation of the 2023-2029 RMMP and its ambitious action plan will yield significant results. In total, close to 50,000 tonnes of recoverable materials from Gatineau will be diverted from landfill. The transition to a circular economy will be underway in Gatineau, and will ensure better resource management. With a diversion rate of 78% and a disposal rate of under 200 kg per inhabitant, for the residential and ICI sectors combined, thanks to its zero-waste vision, Gatineau will continue to be the leader among Quebec municipalities.

# AIMING FOR A ZERO -WASTE CITY



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Gatineau's 2023-2029 RMMP came into effect on February 14, 2023 through by-law 933-2023.

Check the public consultation report and Gatineau's full 2023-2029 RMMP document at [gatineau.ca/reduce](https://gatineau.ca/reduce) (in French only).

Contact Gatineau's RMMP team at [pgmr@gatineau.ca](mailto:pgmr@gatineau.ca)