A ROADMAP FOR A CIRCULAR ECONOMY IN MONTREAL

Rethinking the economic model

14 September 2022

Natacha Beauchesne
Economic Development Commissioner
at the Economic Development Department
Ville de Montréal
Montréal 2030: Shift towards a greener and more inclusive economy, notably by supporting the circular and social economy

2025:
- To recycle 60% of organic matter
- To reduce food waste by 50%

2030:
- Zero waste
- 55% reduction in GHG emissions compared to 1990 levels

2050: Carbon neutrality
Economic development

- Circular economy is a great way to:
  - incite the economy to grow, and promote green growth
  - enable secure supply chains
  - improve and create more sustainable environments

- The Economic Development Department can:
  - make sure the roadmap is aligned with the market needs and capacities
  - support and assist the ecosystem to do the switch
Develop and implement a circular economy roadmap to contribute to Montreal’s ecological transition

The roadmap aims to ensure that Montreal:

- leads by example
- supports the ecosystem
- revises its regulations and frameworks
- promotes consultation and collaboration between stakeholders
- promotes innovation and experimentation

To be adopted in 2023
CIRCULAR MONTREAL

BASELINE ASSESSMENT

14 September 2022
Montreal is a pioneer of sustainability and circular economy transition in North America.
CITIES LIKE MONTREAL WILL BE THE DRIVERS FOR GLOBAL CHANGE

But where should cities start?

The Circle City Scan helps cities taking their first steps towards circularity via a multi-stakeholder process guided by data.
FOUR FOCUS AREAS

Food systems

Built environment

Mobility

Textiles
FOOD SYSTEMS

CHALLENGES

- Consume less high impact foods
- Improve food waste collection
- Reduce industrial food waste
Prioritise the use of secondary and biobased materials
Upgrade and repurpose current buildings
Upscale high-value added recycling
TEXTILES

CHALLENGES

- Increase recycling capacity
- Improve textile collection
- Change consumer habits
MOBILITY

INPUT

YEARLY ADDITION TO STOCK

MOBILES
17

MINERALS & CHEMICALS
22

PUBLIC TRANSPORT

14.3

Personal vehicle

7.5

Metro

0.6

Bus

0.2

Bicycle*

0.1

STOCK

End-of-life personal vehicles

53

REUSED
3

RECYCLED OR REMANUFACTURED
3

SHREDDED AND RECYCLED

91% Recycled

9% Energy recovery

END-OF-LIFE CAR TIRES

17*

SHREDDED AND INCINERATED

SHREDDED AND LANDFILLED

LEGEND

Materials are looped back into the system from the activities marked with the green check dot.

*0.4% of end-of-life car tires are remoulded.

Unit = kilotonne

*represents 2020

Unit = kilotonne
Mobility

**Challenges**

1. Reduce material, energy and emission intensity of cars
2. Ensure waste management of electric vehicle batteries
3. Creating data overview of waste management
EIGHT ACTIONS TO IMPROVE MONTREAL

ONE create living labs and hubs to stimulate innovation and offer support to find industrial symbiosis solutions for the food system

TWO identify opportunities for improving the collection and measurement of food surplus and waste from industrial, commercial & institutional establishments
EIGHT ACTIONS TO IMPROVE MONTREAL

THREE leverage circular public procurement for buildings

FOUR incentivise high-value reuse and recycling of construction and demolition waste
EIGHT ACTIONS TO IMPROVE MONTREAL

FIVE  
circular business ecosystem for circular fashion

SIX  
increasing collection, sorting and recycling capacity for textile waste
EIGHT ACTIONS TO IMPROVE MONTREAL

SEVEN support shared mobility initiatives

EIGHT optimised and low-carbon freight and logistics systems
THANK YOU!

Jordi Pascual
jordi@circle-economy.com