

Design for Circularity

GENEVIÈVE DIONNE, ÉCO ENTREPRISES QUÉBEC

KATE BAILEY, ASSOCIATION OF PLASTIC RECYCLERS

PIERRE BENABIDÈS, CIRCULAR PLASTICS TASKFORCE



A grayscale photograph showing a hand holding a plastic bottle, with a recycling bin visible in the background. The image is dark and serves as a background for the text on the left side of the slide.

*Plastics
Packaging
Design
Matters to...*

*Keep plastics in the economy
and out of the environment*

- enable recycling system compatibility
- reduce waste
- make more recycled content available for inclusion in products
- create a more sustainable economy by reducing greenhouse gases through use of recycled content in plastic packaging and products
- enable a more efficient and cost-effective recycling system
- meet regulatory targets

Growing Volumes to be Managed Against Increasingly Higher Targets

Plastics Volumes

(figures rounded)

Ontario (Estimated quantities in 2026)

- Rigid: ~215,000 tonnes
- Flexible: ~ 120,00 tonnes

Quebec (Producer declared tonnage in 2022)

- Rigid: ~ 105,000 tonnes
- Flexible: ~ 43,000 tonnes

British Columbia (Supplied tonnes in 2019)

- Rigid: ~43,500 tonnes
- Flexible: ~19,000 tonnes

Regulatory Targets

(planned increases over time)

Ontario Recycling Targets

- Rigid: 50% for 2026-2029
- Flexible: 25% for 2026-2029 period

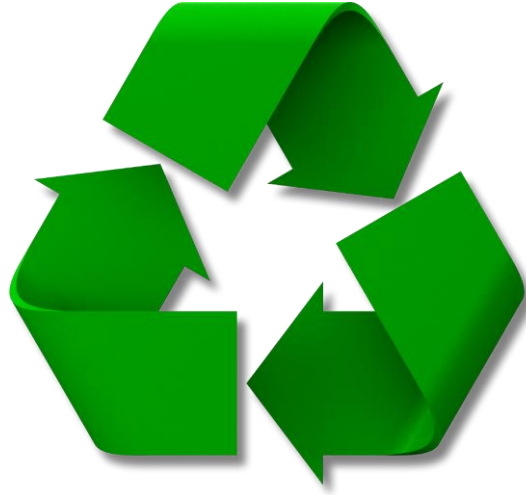
Quebec Reclamation Targets

- PET Rigid: 70%
- HDPE & Other Rigid: 65%
- Films: 40%

British Columbia Recovery Targets

- Rigid: 72% by 2027 annual report
- Flexible: 25% by 2027 annual report

Recycle Ready



ACCESS

- 60% consumer access
- Industry acceptance

DESIGN

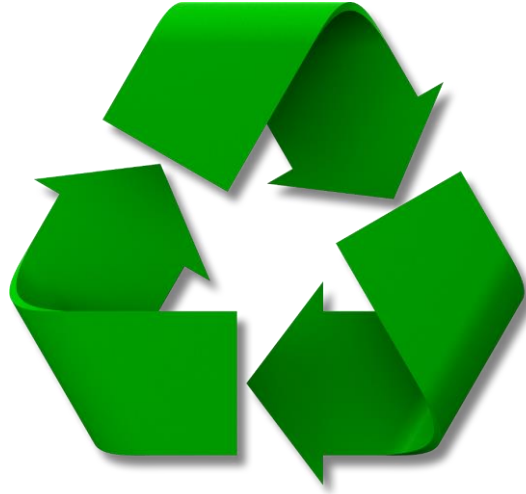
- Sorting system compatibility
- Cleaning system compatibility



MARKETS

- Can be manufactured into an identifiable product

What Makes Something Recyclable?



ACCESS

- Consumer access
- Industry acceptance



DESIGN

- Sorting system compatibility
- Cleaning system compatibility



MARKETS

- Can be manufactured into an identifiable product