

# Alberta Moves Toward Circularity

**SWRC: The Next Chapter**  
**April 29, 2022**

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Recycling Council of Alberta





# Extended Producer Responsibility

## **EPR Definition**

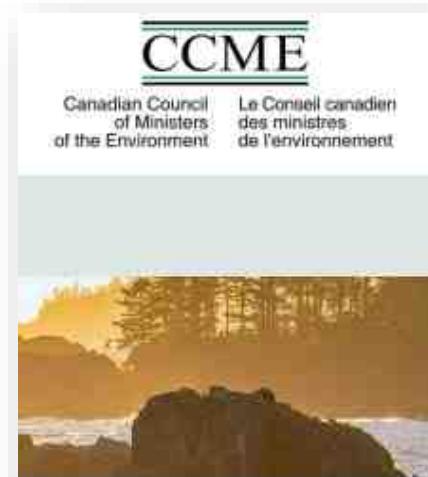
Environmental / economic policy approach in which producers of products and packaging bear responsibility for ensuring those products and packages are properly managed at the end of their lifecycle.

OWMA, 2013

# National EPR

## CCME Canada-Wide Action Plan (2009)

- Phase 1 (by 2015)
  - Packaging
  - Printed materials
  - Mercury containing products
  - Electronics and electrical products
  - Household hazardous and special wastes
  - Automotive products
- Phase 2 (by 2017)
  - Construction / demolition materials
  - Furniture
  - Textiles and carpet
  - Appliances



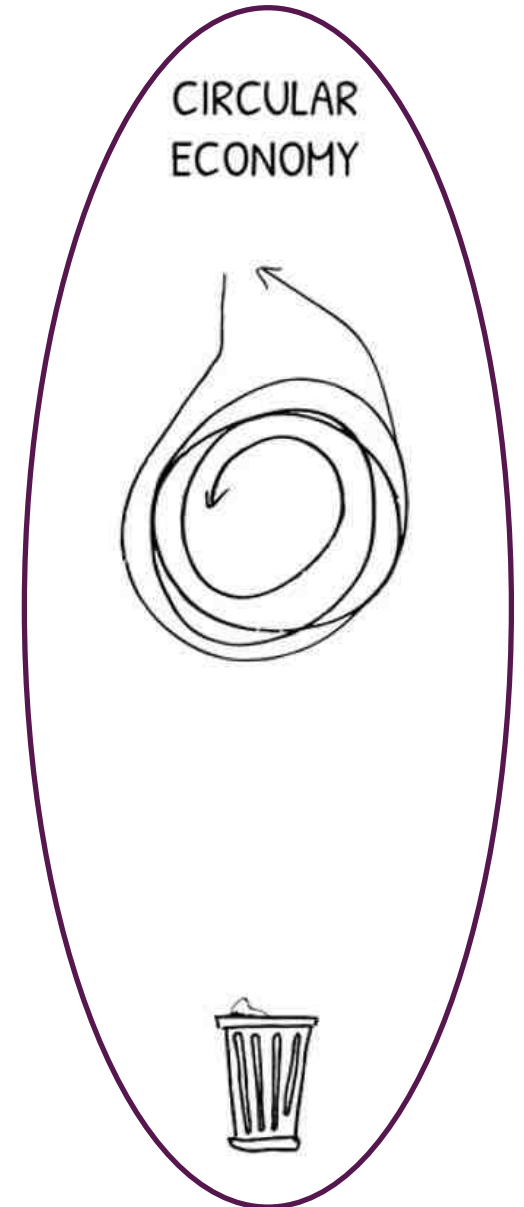
## Benefits of EPR

- Transfers cost and liability from municipalities and taxpayers to producers
- Provides incentive to producer to improve design
- Encourages Circular Economy
  - Producers have direct role in system
- Provides provincial program consistency
- Economy of scale provides market resilience

# RCA's EPR Principles

An EPR framework should:

1. Drive a circular economy
2. Be outcomes-based
3. Have performance standards that are ambitious, measurable and enforceable
4. Ensure a level playing field
5. Be implemented alongside complementary regulations



# EPR – Engagement and Next Steps

## Completed Activities



## Next Steps





# Circular Communities



# Circular Economy

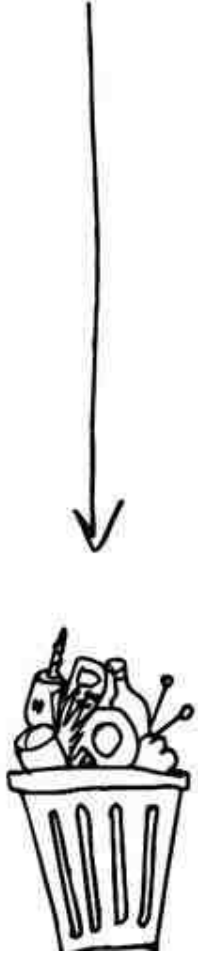
A new paradigm  
for the  
environment  
and economy



LINEAR ECONOMY



LINEAR ECONOMY

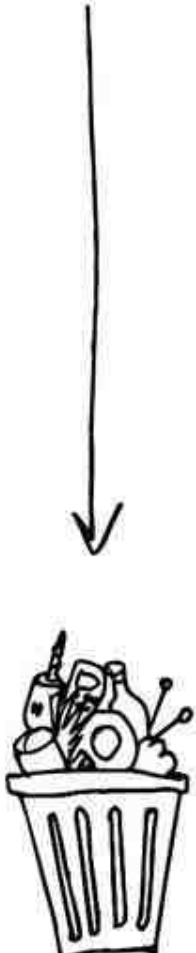


RECYCLING  
ECONOMY





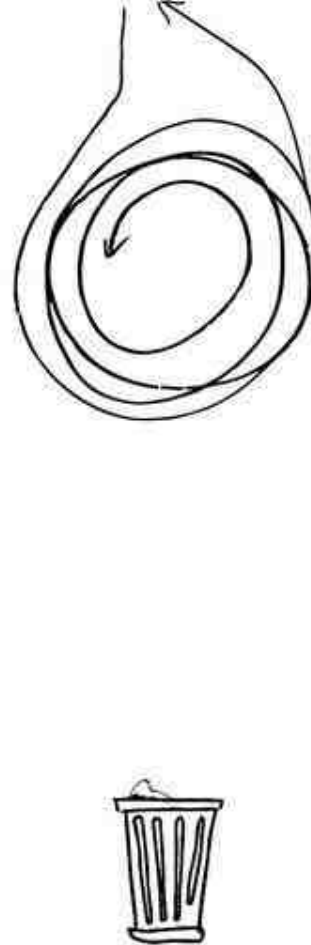
LINEAR ECONOMY



RECYCLING  
ECONOMY



CIRCULAR  
ECONOMY



# Why Communities?



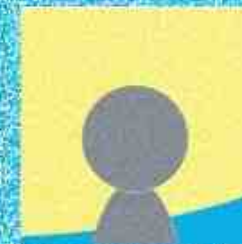
**RCA** RECYCLING COUNCIL  
OF ALBERTA



## Circular economy in cities

How can we embed circular economy principles to build thriving, liveable, and resilient cities?

Circular economy





**50%**

of global population  
lives in urban areas

**2/3**

of global energy  
is used in cities

**70%**

of global resources  
are used in cities

**4/5**

Albertans live in cities



# The Leaders



Mainly in Netherlands and Great Britain

- Amsterdam, NL
- Rotterdam, NL
- Glasgow, UK
- London, UK
- Peterborough, UK
- Brussels, Belgium
- Austin, Texas, USA
- Toronto, Ontario, CAN

## Participating Communities



# Workshop Participants



## Areas of Expertise

Agriculture • Community Services  
Economic Development • Facilities  
Financial Services • Innovation  
Infrastructure • Land Development  
Parks • Policy Development  
Procurement • Planning  
Sustainability and Environment  
Utilities • Transportation  
Waste and Recycling



# Roadmap Prototypes



# Roadmaps

- Content from community engagement populated framework
- High level
- Tailored based on objectives and priority areas
- Collaborative!



# Banff Library of Things

- Town of Banff and Banff Public Library partners
- Opened October 2021
- Items that are rarely used, hard to store or expensive
  - Tools
  - Cooking appliances
  - Hobby items
- Free to access - Banff Public Library membership







## Strathcona County

- Internal red tape reduction workshops to break down barriers and encourage circular innovation
- Circular Economy business solution series
- Implementation of Love Food Hate Waste campaign



**STRATHCONA  
COUNTY**

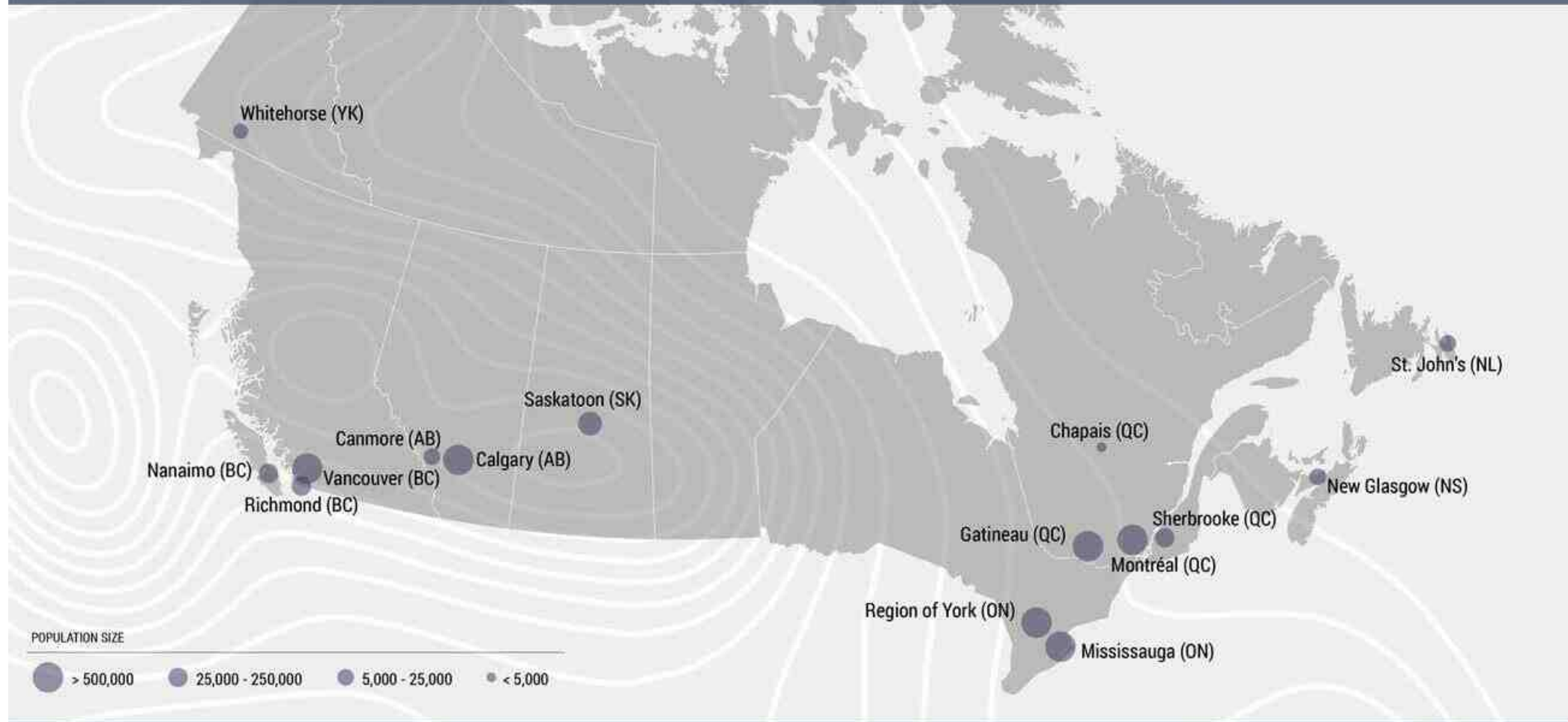
## City of Lethbridge

- Lending Library (in conjunction with the Public Library)
  - Survey to determine target audience and potential items/materials
- Triple bottom line procurement policy
  - circular economy principles
  - social aspects

# Circular Cities & Regions Initiative

Providing Canadian local governments with the knowledge and tools to accelerate circular economy solutions

COUNCIL



In collaboration with





# Program Highlights

**The Canadian Circular Cities and Regions Initiative (CCRI) is advancing circular economy knowledge and capacity among the Canadian local government sector.**

## Webinar Series

A series of public knowledge-sharing webinars exploring innovative circular city approaches from across Canada and globally.

## Peer-to-Peer (P2P) Network

In-depth access to circular economy experts and the opportunity to discuss approaches, opportunities and challenges with peers from across the country. Two foundational workshops and key resources on CE provided by the Ellen MacArthur Foundation.

## Action Planning

Facilitated half-day virtual workshops, additional guidance, and one-on-one support to help participating local governments in the P2P Network develop a circular economy roadmap for their community.

# CCRI Advisors and Knowledge Partners

## KNOWLEDGE PARTNERS



## ADVISOR S

- Carla Bitz @Town of Banff
- Wayne Hubbard @ReLondon
- Barb Swartzentruber @City of Guelph
- Blake Robinson @Circle Economy
- Meaghan Davis @City of Toronto
- Vanessa Timmer @One Earth
- Sarah O'Carroll @Ellen MacArthur Foundation

# CCRI Round One

## Knowledge Sharing

## Opportunity Identification &

## Wrap-Up & Evaluation

March – December 2021

November 2021 – February 2022

March - April 2022

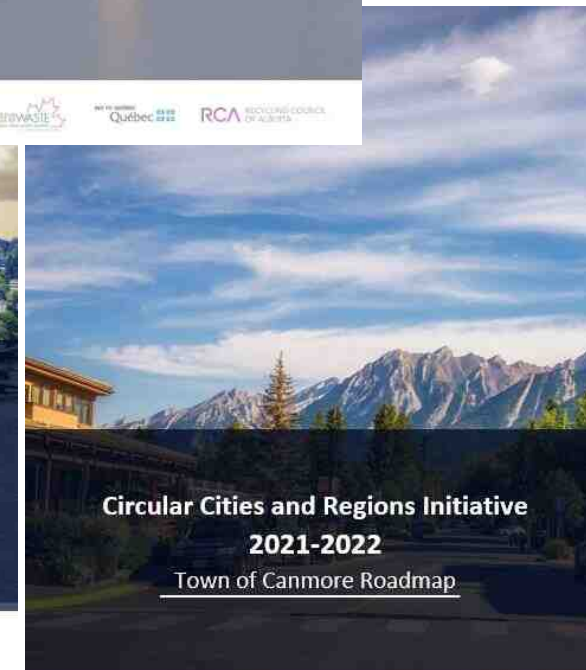
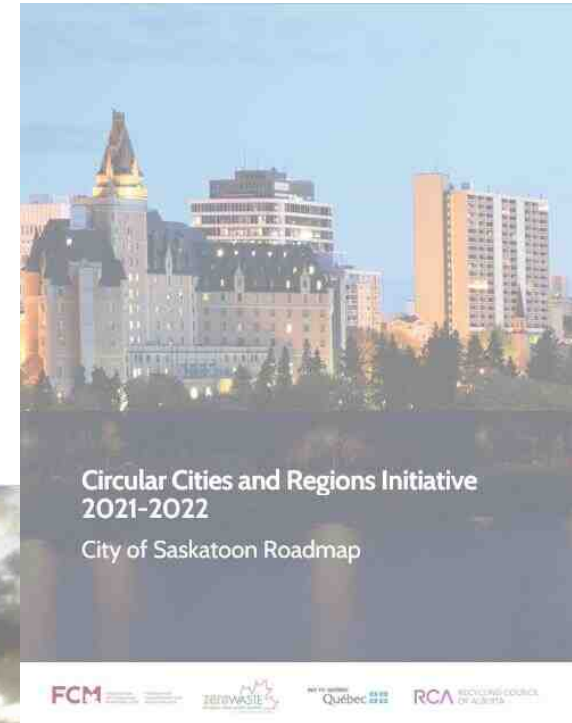
- Kick-Off (March 18)
- Building Your Local Government's Circular Economy Strategy **Webinar** (June 15)
- CE Foundational Workshops with EMF (June 22 and July 8)
- Circularity at all Levels **Webinar** (July 15)
- Coffee Open Session (August 18)
- Circularity in Cities and Regions: Addressing global challenges through innovative place-based approaches **WCEF Accelerator Session** (Sept 15)
- CE Measurement in Cities and Regions **Webinar** (Oct 6)

- 15 Community **Workshops**
- CE Business Support (Nov 4)
- CE Citizen Support (Nov 18)
- CE Roadmapping (Dec 9) with Metabolic and RECYC-QUEBEC (Circularity Gap Report)
- CE Built Environment (Jan 27)
- CE Procurement (March 10)
- CE Bridging the Implementation Gap (April 7)

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- CE Procurement (March 10)
- CE Bridging the Implementation Gap (April 7)

# Metrics

- 5 National Webinars
- 10 P2P Workshops
- 15 Roadmaps
  - Key community focus areas:
    - Built environment
    - Circular business innovation and economic diversification
    - Sharing & reuse economy
    - Food systems

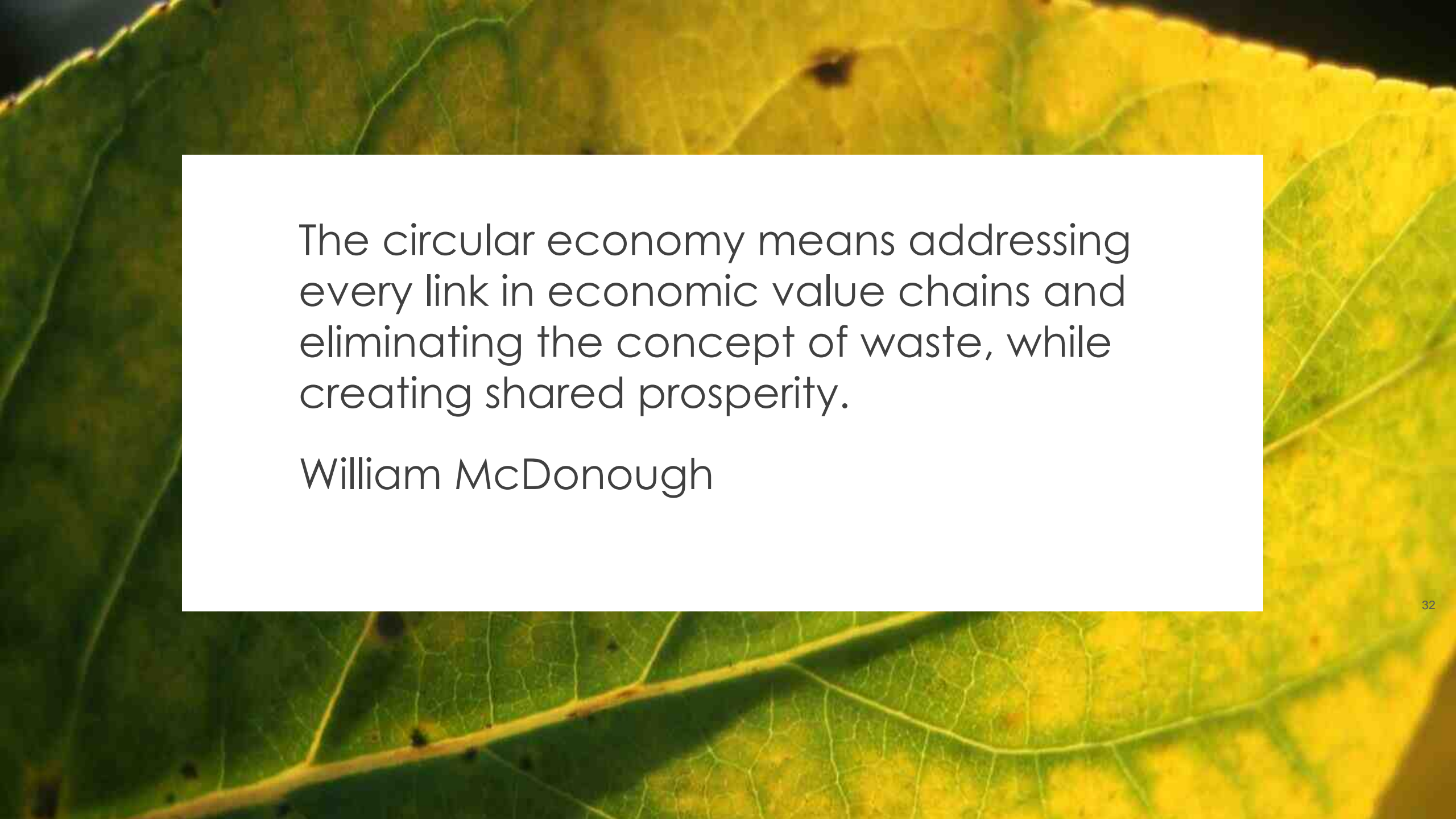




## **CCRI 2.0**

[CanadianCircularCities.ca](http://CanadianCircularCities.ca)

- **May 2** Call for Applications
- **May 5** Kick-Off Webinar
  - EMF and Circle Economy
  - Town of New Glasgow
  - City of Richmond
  - City of Montréal
- **May 12** Information Session
- **June 10** Applications Due



The circular economy means addressing every link in economic value chains and eliminating the concept of waste, while creating shared prosperity.

William McDonough





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