



**Calgary**



**Alberta Urban Municipalities  
Association Convention**

# Alberta Collaborative EPR Study

Jason London & Councillor Peter Demong

# Extended Producer Responsibility

**A policy approach that shifts the responsibility and costs of managing recyclable materials from municipalities to producers, and provides an incentive for industry to innovate to find ways to waste less and recycle more.**



Chinese National Sword  Volatile markets





# 2018 and 2019 Municipal Support for EPR

35 individual expressions of support

- Airdrie
- Brooks
- Calgary
- Camrose
- Chester
- Edmonton
- Fort
- Grande Prairie
- Leduc
- Lloydminster
- Medicine Hat
- Mountain View Regional Waste Management Commission
- Okotoks
- Red Deer
- Spruce Grove
- St. Albert
- Stoney Plain
- Strathcona County
- Beaumont

# ACES!

- Airdrie
- Brooks
- Calgary
- Camrose
- Chester
- Edmonton
- Devon
- Hinton
- Leduc
- Sundance Beach
- Trochu
- Vermillion
- Whitecourt
- Wetaskawin
- Blackfalds
- Strathmore
- Pincher Creek

## Alberta Collaborative Extended Producer Responsibility Study



## ACES Partners

### Funding Partners



**Canadian Stewardship  
Services Alliance**



### Additional Project Partners



# ACES Objectives

## Primary objectives:

- i. Provide an overview of the Current State of recycling systems and supply chains across the province (*and their related costs*)
- ii. Understand potential impacts of an EPR program
  - benefits, challenges and risks
  - in relation to major stakeholders (province/public interest, municipalities, producers, residents, waste management industry).



# Recycling System Stakeholders



## Prevalence of Curbside Collection of PPP

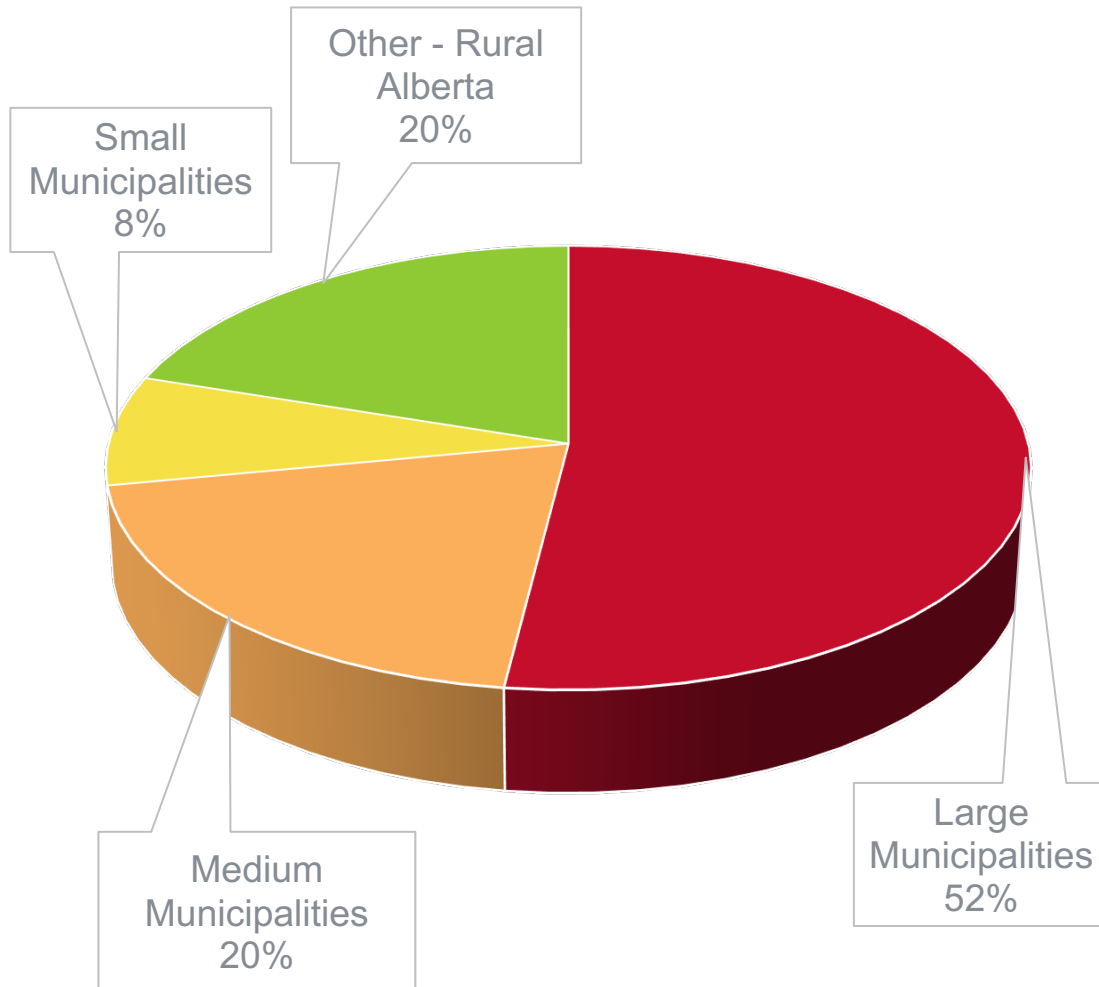
	Percentage of Households With Curbside Collection of PPP
<b>Large Municipalities (&gt;500,000)</b>	80
<b>Medium Municipalities (10,000 – 500,000)</b>	75
<b>Small Municipalities (&lt;10,000)</b>	50

# Curbside Delivery Model

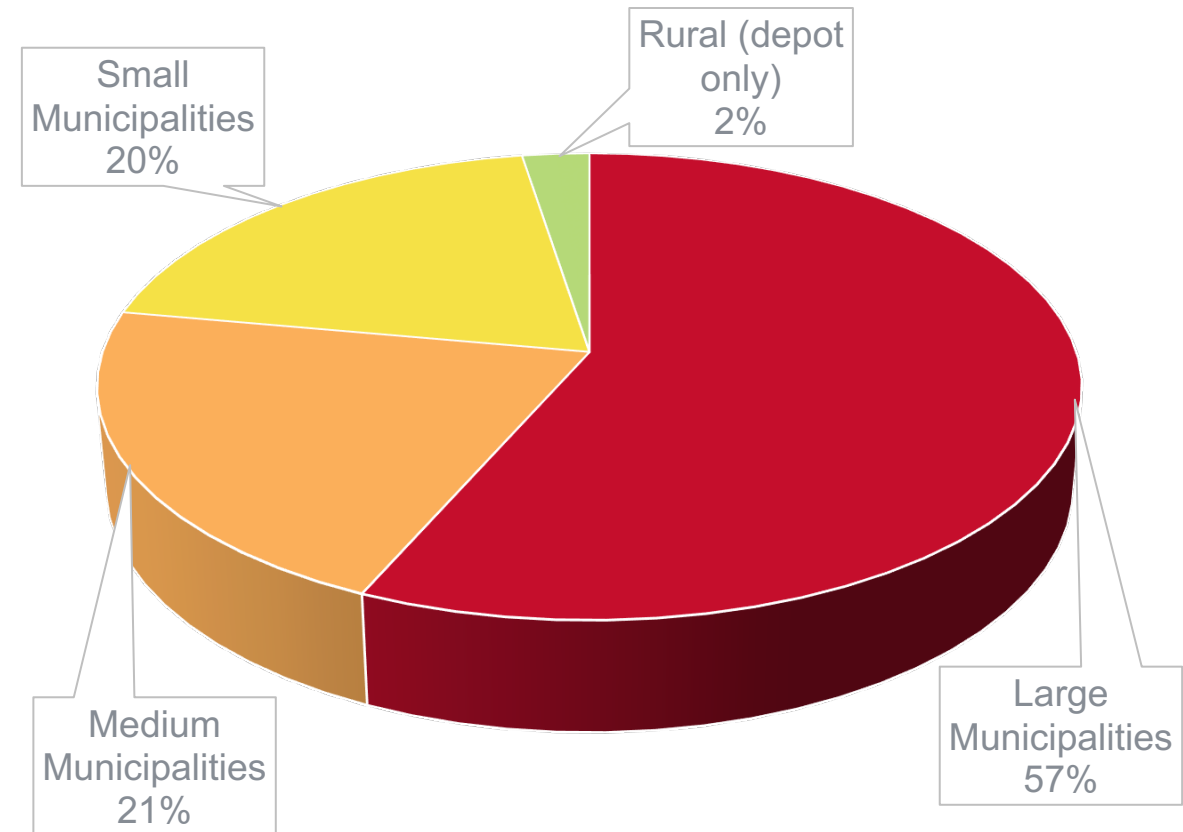
	Percentage of Households Serviced In-House
<b>Large Municipalities (&gt;500,000)</b>	71
<b>Medium Municipalities (10,000 – 500,000)</b>	32
<b>Small Municipalities (&lt;10,000)</b>	21

# Breakdown of Population and Recycling Costs in Alberta

## Population



## Recycling Costs



## PPP Collected and Recycled (2018)

	Collected	Recycled	Landfill
<b>Large Municipalities</b>	127,000	103,000	
<b>Medium Municipalities</b>	44,000	37,500	
<b>Small Municipalities</b>	35,000	30,000	
<b>Rural (Depots Only)</b>	6,500	6,000	
<b>Total Tonnes</b>	<b>212,500</b>	<b>176,500</b>	<b>36,000</b>

# The Future State



**THE FUTURE IS OURS TO CREATE.**

## Future State Vision

A vision for a PPP recycling system in the province of Alberta is one that:

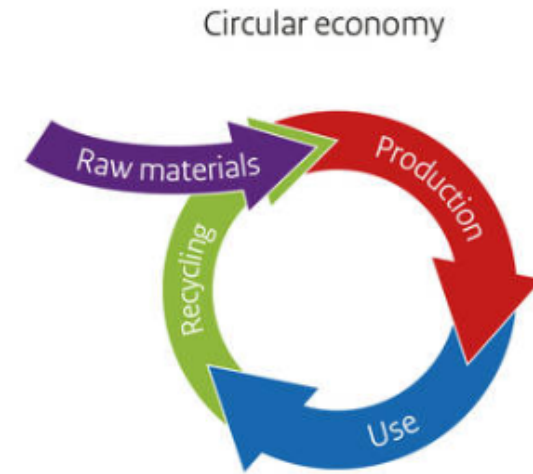
- I. Is easy for citizens across the province to use and understand;
- II. Is convenient, consistent and equitable across the province
- III. Adds value to the Alberta economy and
- IV. Protects small businesses
- V. Empowers industry



## Future State Vision

VI. Drives improved environmental outcomes and moves towards a circular economy including:

- reduction in packaging placed on the market;
- increased waste diversion;
- better design of packaging products
- reduced contamination and increased quality;
- known end-fate of materials;

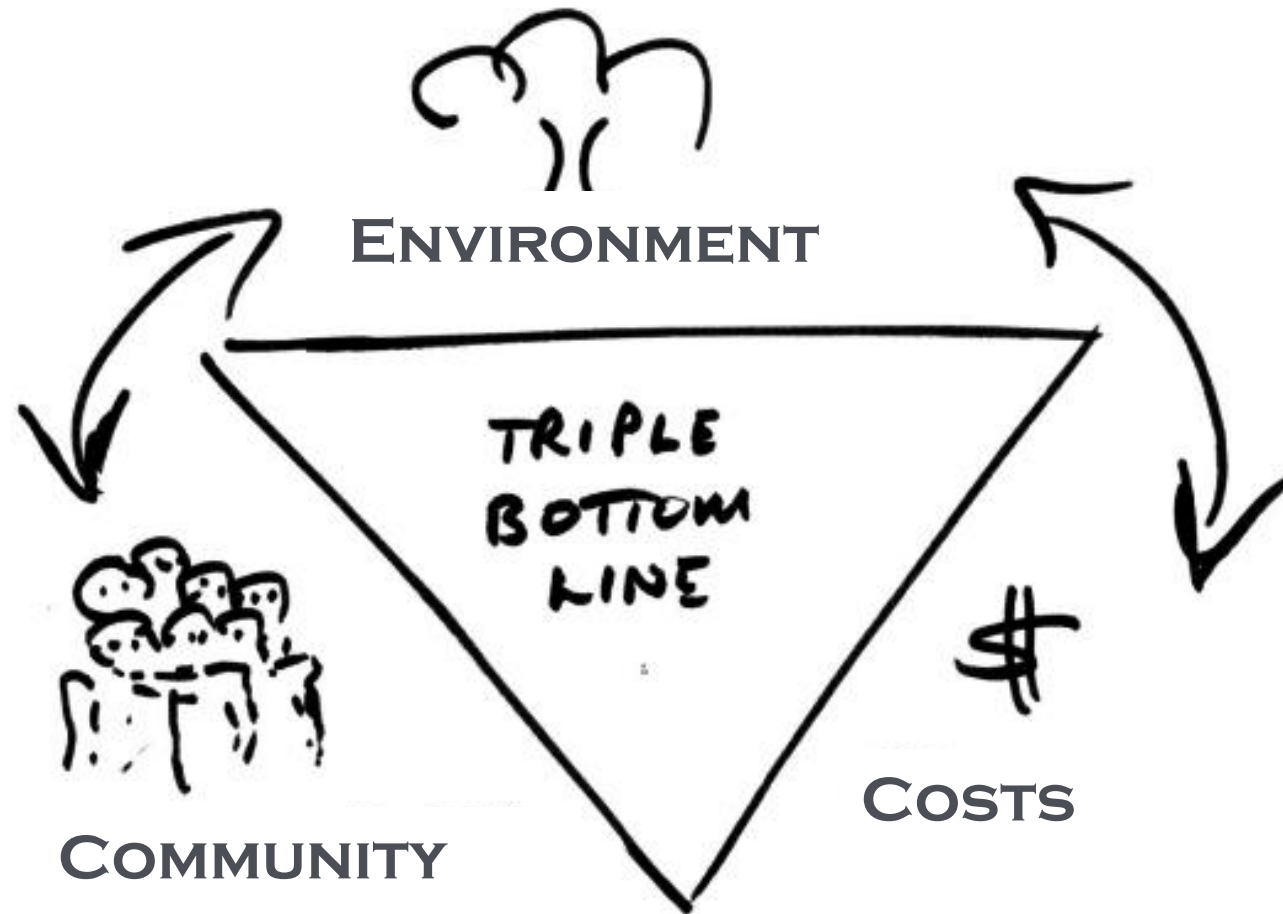


## Roles and Responsibilities

All stakeholders will be involved in the transition to and operation of a revitalized recycling system based on an EPR framework.

- I. Governments enable EPR in regulation, set clear policy objectives, establish regulatory frameworks and specify targets/outcomes;
- II. Producers take the lead on the design and implementation of the program in response to the legislation
- III. Municipalities have opportunity to continue as the collection interface with residents;
- IV. System monitors progress and conducts enforcement to ensure producers are complying and that performance outcomes are met;

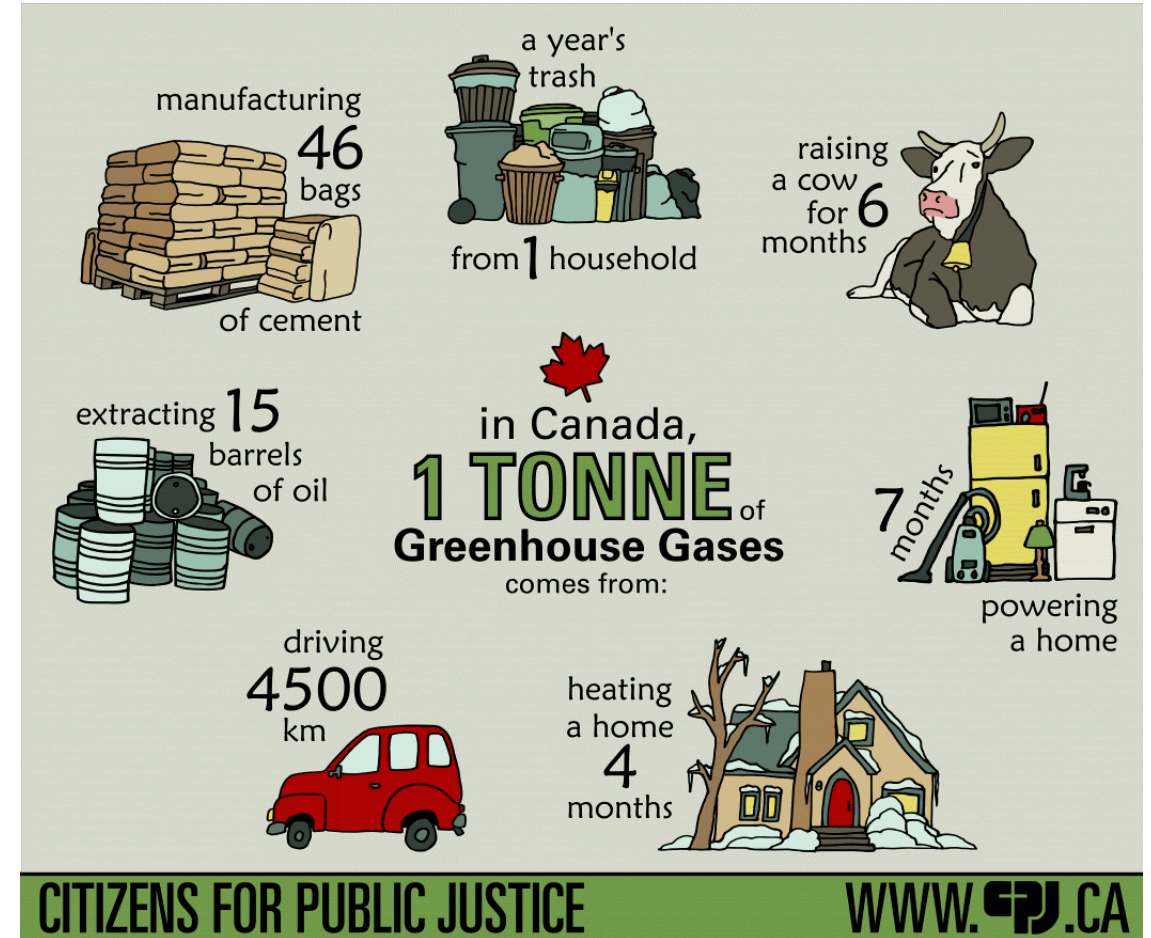
# Triple Bottom Line Benefits



# Environmental Benefits

## 150,000 tonnes reduction in GHGs

- I. Manufacturing 6.9 million bags of cement
- II. 150,000 household's worth of trash for one year
- III. Powering 150,000 homes for seven months
- IV. Heating 150,000 homes for four months
- V. Driving 675 million kilometres
  - I. 16,843 times around the earth
- VI. 30,000 cars off the road for one year



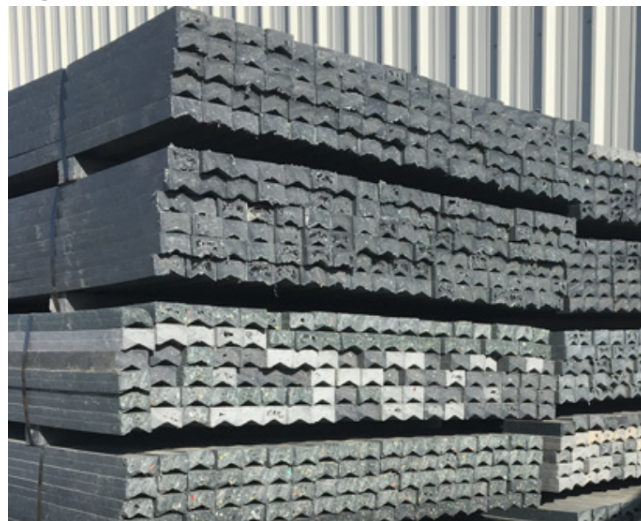
## Economic Benefits



I. Jobs

II. Avoided landfill costs

III. Opportunity to move to more processing and manufacturing of goods in Alberta



## Fall Events related to EPR

### I. ACES Final Report – Q4 2019



### II. Associated events

- i. AUMA Fall Convention
- ii. Recycling Council of Alberta – Sea Change
- iii. University of Calgary School of Public Policy



UNIVERSITY OF  
CALGARY

## Takeaways

- Municipalities are struggling with volatile recycling markets
- Albertans are paying TWICE for recycling today!
- EPR can solve these problems, by empowering industry to come up with solutions
- Preliminary data shows significant financial benefits, and even job creation in a future with EPR
- Alberta needs EPR, and we need your help to get that message out!