



All Hands on Deck: Recycling in Alberta - Impacts, Innovation and Investment

Recycling Council of Alberta Waste Reduction Conference
October 2, 2019



ELECTRONICS



PAINT



TIRES



USED OIL

Impacts

The title "2019 Annual Report" is displayed in a large, stylized font. The numbers "2019" are formed by a grid of small circles, each containing a different photograph of recycling-related activities. Below the numbers, the words "Annual Report" are written in a teal, all-caps sans-serif font, with each letter of the words being a single character.

2019 ANNUAL REPORT

We've gone digital!

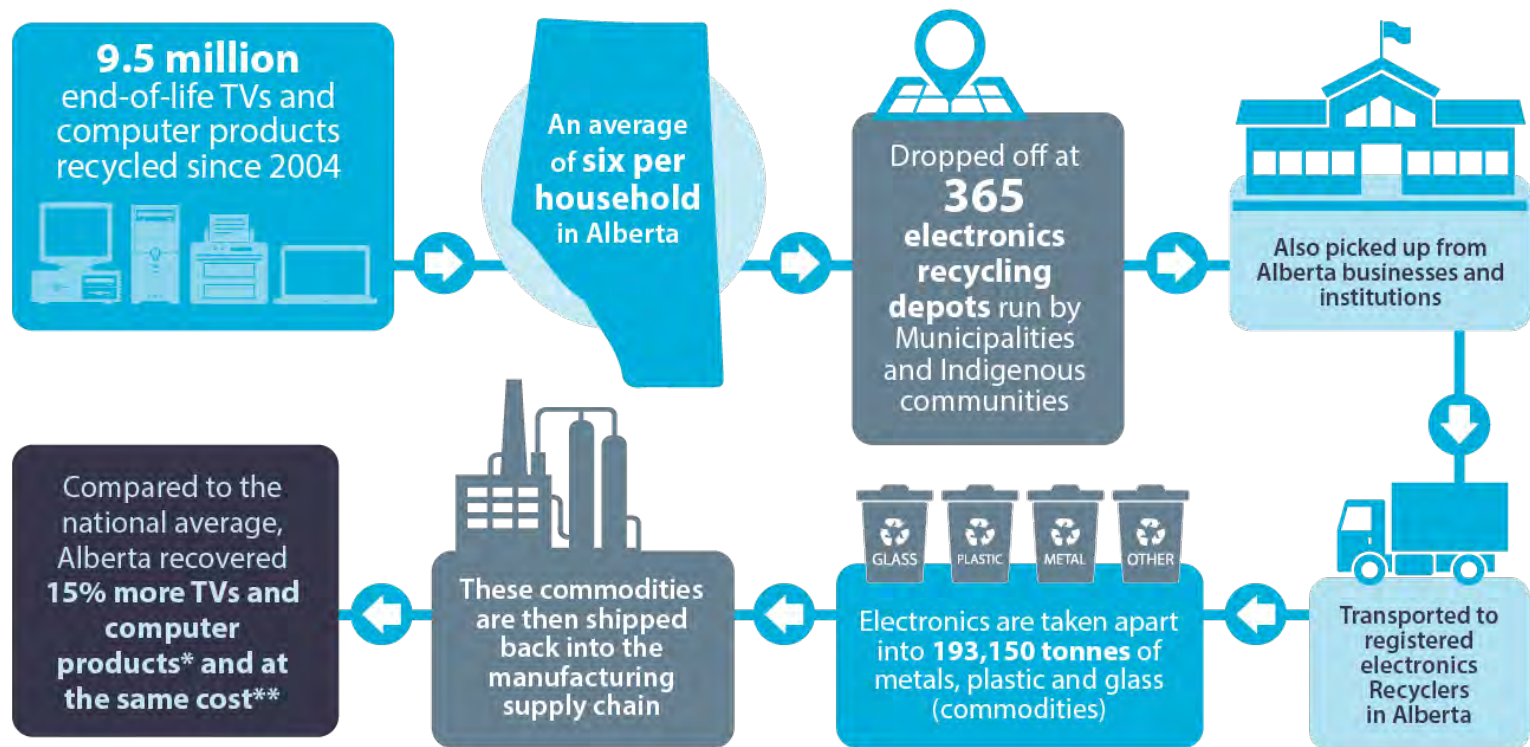
It's a simple step toward encouraging reduction and managing our resources more responsibly.

Visit our website to learn about our 2018-19 achievements and milestones at

[AlbertaRecyclingReports.ca](https://albertarecyclingreports.ca)



Electronics Recycling





WAY TO GO ALBERTA!

You're some of the best recyclers in the world...

563,000 TVs &
computer
products
recycled in
2018/19

9.5 million
since 2004



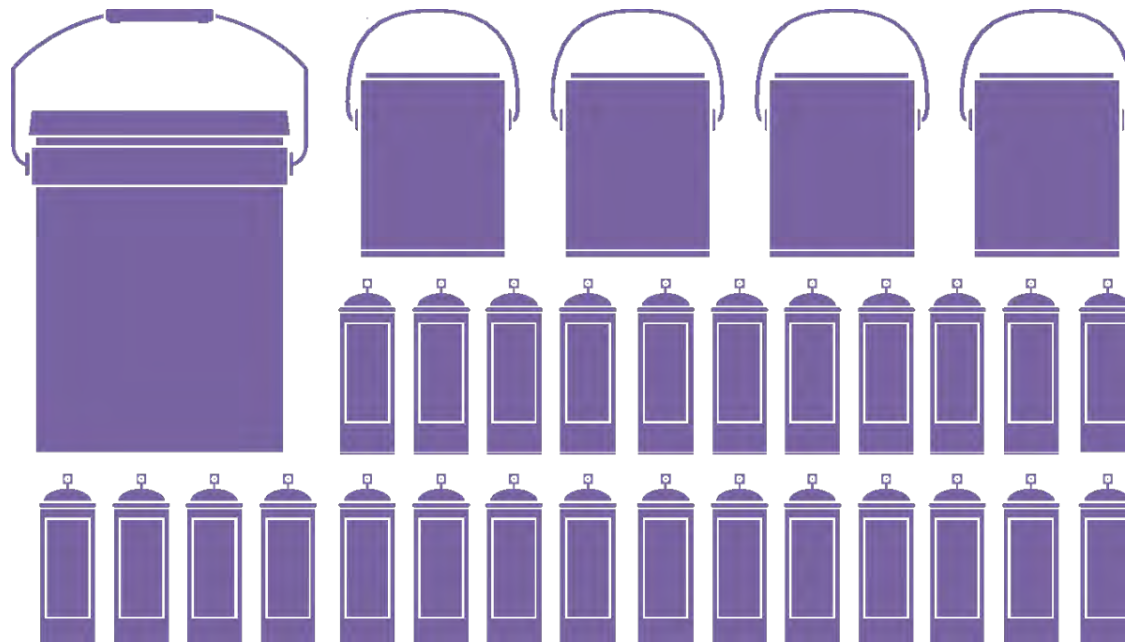


WAY TO GO ALBERTA!

You're some of the best recyclers in the world...

2.19 million
litres of paint
recycled in
2018/19

24 million
litres since
2008



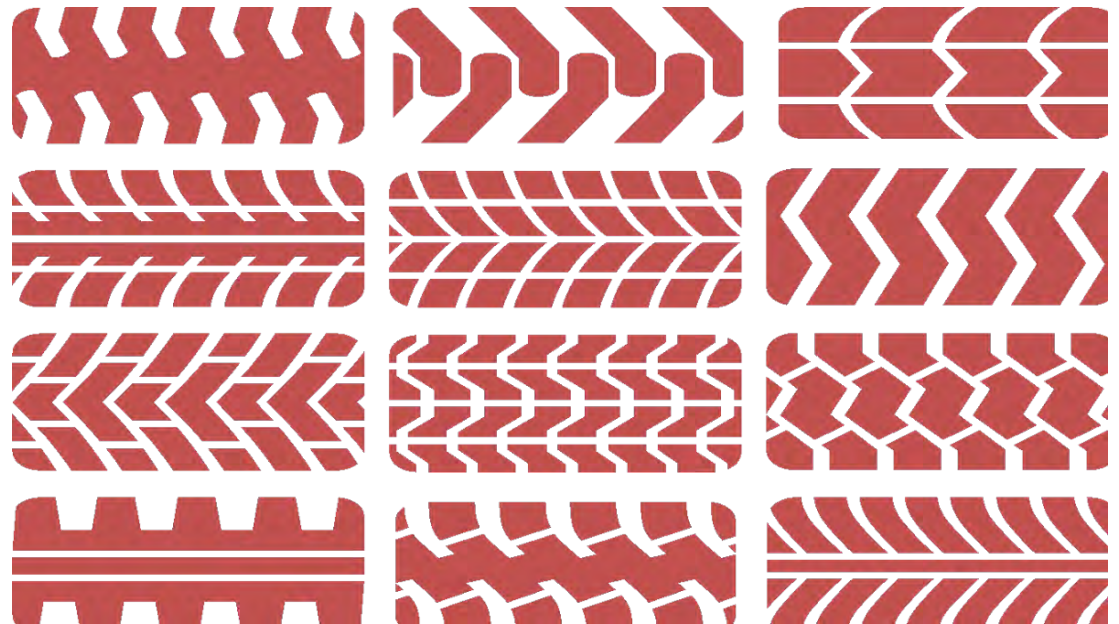


WAY TO GO ALBERTA!

You're some of the best recyclers in the world...

6.76 million
tires recycled
in 2018/19

118 million
since 1992





WAY TO GO ALBERTA!

You're some of the best recyclers in the world...

84.49 million litres of used oil recycled in 2018/19
(1.7 billion since 1997)

7.15 million filters collected in 2018/19
(147.49 million since 1997)

2.30 million kgs. of containers collected in 2018/19
(37.80 million since 1997)



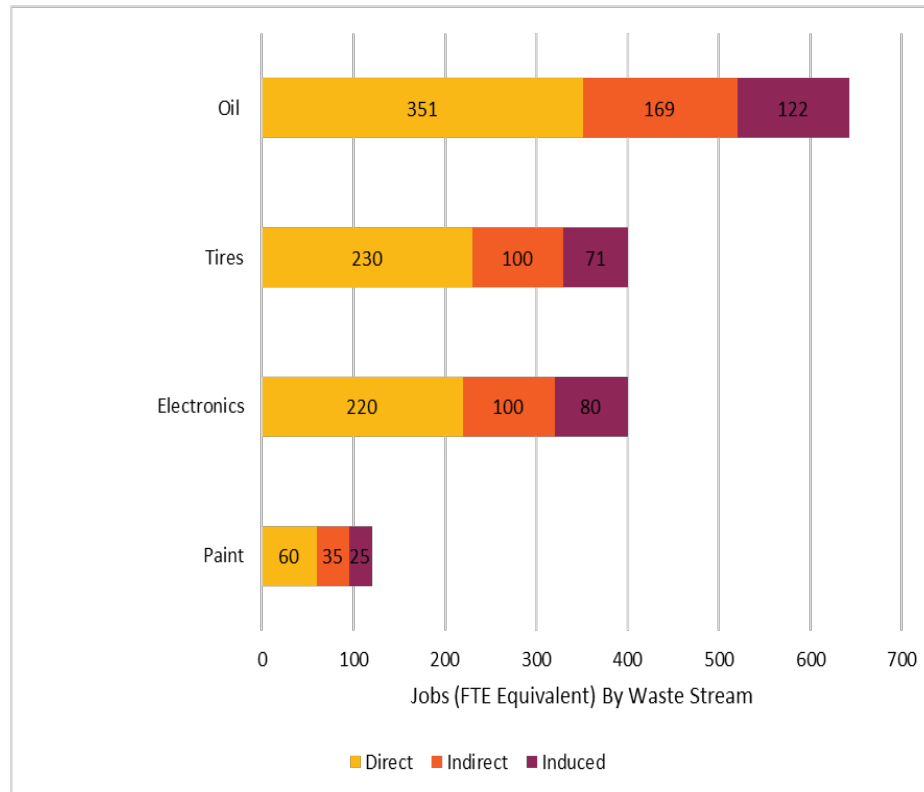
Economic Impact

- Current

- **1,570 FTE jobs** across the four material types, as well as **\$180 million** in GVA

- Potential

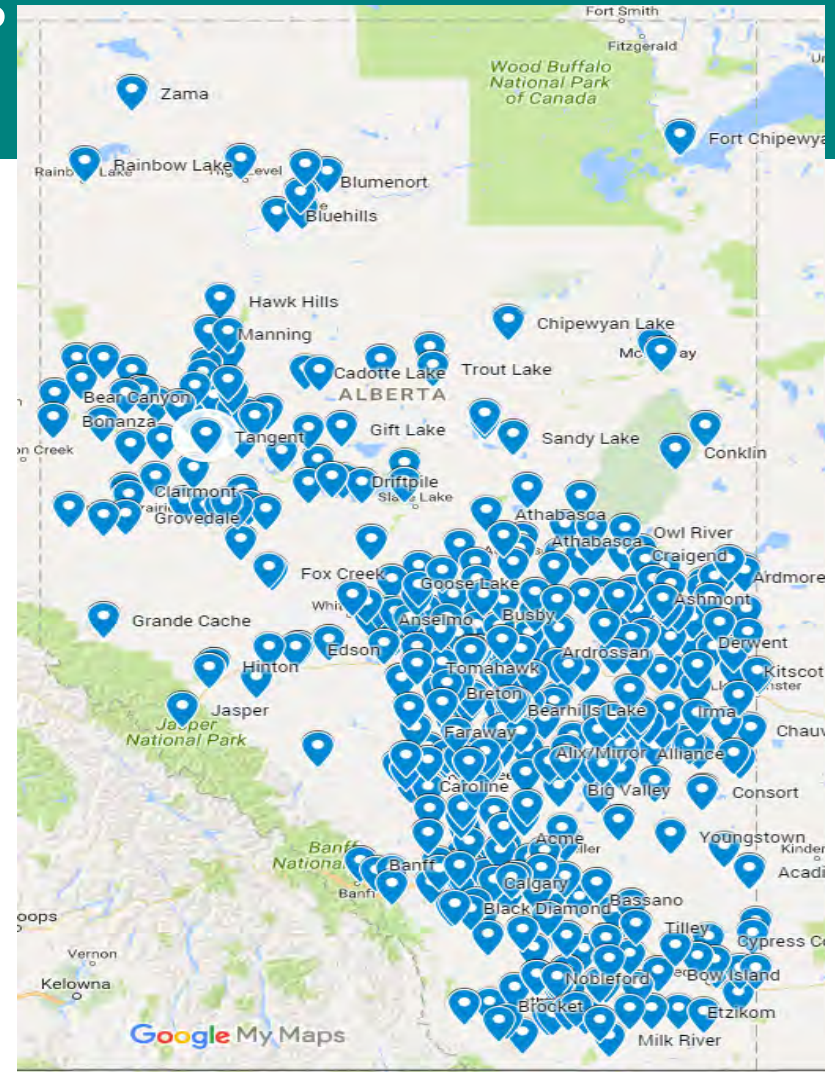
- Under an expanded system with a broader scope, the Alberta Recycling programs would be responsible for **1,805 FTE jobs** and **\$204 million** in GVA.



Collection is key to maximizing recovery.

Municipal collection sites help Albertans recycle.

- Combined total of 440 sites throughout the province
- Convenient, accessible, professionally run
- Close linkage through our field staff



Partnership with Municipal and Indigenous Communities



Municipal Roundups

Community engagement through 70+ events every year





4-H Tire Roundup

Over 1 million tires collected by Alberta 4-H clubs





4-H Electronics Roundup

Over 70,000 units of electronics collected by 4-H clubs





Commercial Paint Roundups

FREE PAINT RECYCLING EVENTS

for businesses and commercial painters
IN CALGARY



LOCATION: SHEPARD LANDFILL
12111 - 68 STREET SE, CALGARY

In 2019, events
take place on the
last Tuesday of
the month, from
8:00 a.m. to 2:00 p.m.

- March 26
- April 30
- May 28
- June 25
- July 30
- August 27
- September 24
- October 29
- November 26

THERE ARE NO LIMITS.

Bring in as much as you
can haul of the following
products and we will
recycle them for you at
no charge.

- Latex and oil-based
paints
- Varnishes and stains
- Spray paint cans
- Empty paint cans



LOCATION: SHEPARD LANDFILL
12111 - 68 STREET SE, CALGARY

This is a great opportunity to get rid of your leftover paint – and get help
unloading it! Join us to learn more about the Paint Recycling Program and
see how the recycling fees are at work in your community.

Visit albertarecycling.ca for a list of products and registered paint
processors who provide year-round pick-up service.



1.888.999.8762
albertarecycling.ca



Bringing Recycling Full Circle Back to Communities

- \$30,000 Municipal Demo. Grant
- 590 projects and \$10 million in funding since 2000





Town
of
Sexsmith



Tire-Derived Aggregate (TDA)

- Municipal Landfill Projects – Drainage Material





TDA in Landfills

- Used as drainage medium for leachate collection systems.
- An 'engineered product'
- Used for over 20 years in Alberta
- Effective alternative to gravel
- Cost savings for municipalities
- Multi-year study to evaluate performance



TDA in Road Construction



We're testing to see if **360,000** scrap tires will make this road better.



GRAVEL
SOIL
GEOTEXTILE
RECYCLED TIRES
GEOTEXTILE
TEST CELL

GRAVEL
SOIL
RECYCLED TIRES

TEST CELL

Alberta
recycling
MANAGEMENT AUTHORITY

Visit albertarecycling.ca

Supporting Other Programs

- Household Hazardous Waste
 - Administer AEP Contract Funding
- Northwest Territories Electronics Program
 - Administer Supplier registration, revenue administration
- Yukon Tire Recycling Program
 - Administer Supplier registration, revenue administration
 - Potential to support their Used Oil program administration

Innovation



Renue Recycling Inc.





Safety Kleen





G.E.M.



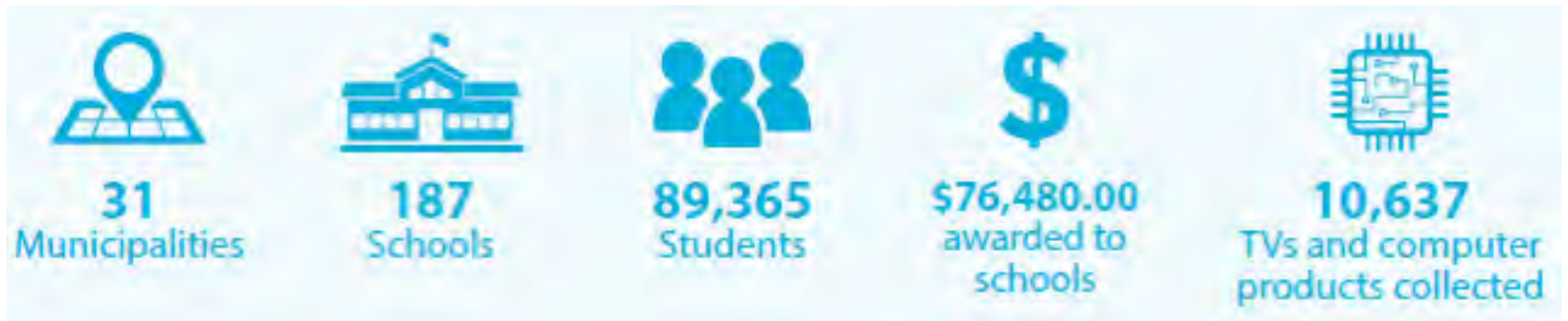
Full Circle





Electronics Pilot Project for Schools and Post-Secondary

- Successes for 2015-2019





2019 Collection Site Awards of Excellence

Medicine Hat Waste
Management Facility

Vegreville
Sanitary Landfill

Provost
Regional Landfill



Investment

Investment in Alberta

- Environment Week – joint campaign with BCMB
 - Public and school education programs



Used Oil Collection Site Signage

**RECYCLE YOUR
EMPTY OIL
CONTAINERS
HERE.**



Not Accepted:

- agricultural containers
- windshield washer fluid containers
- antifreeze containers

Call 1-888.999.8762 or visit
www.albertarecycling.ca

**Alberta
recycling**
MANAGEMENT AUTHORITY



**RECYCLE YOUR
USED OIL
HERE.**



Call 1-888.999.8762 or visit
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**Alberta
recycling**
MANAGEMENT AUTHORITY



**RECYCLE YOUR
OIL FILTERS
HERE.**



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**Alberta
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MANAGEMENT AUTHORITY



Stewardship Fundamentals

- Program **Purpose**

- Recover and **recycle all** program materials at **end-of-life (EOL)**
 - Occurs primarily at **local and provincial level**

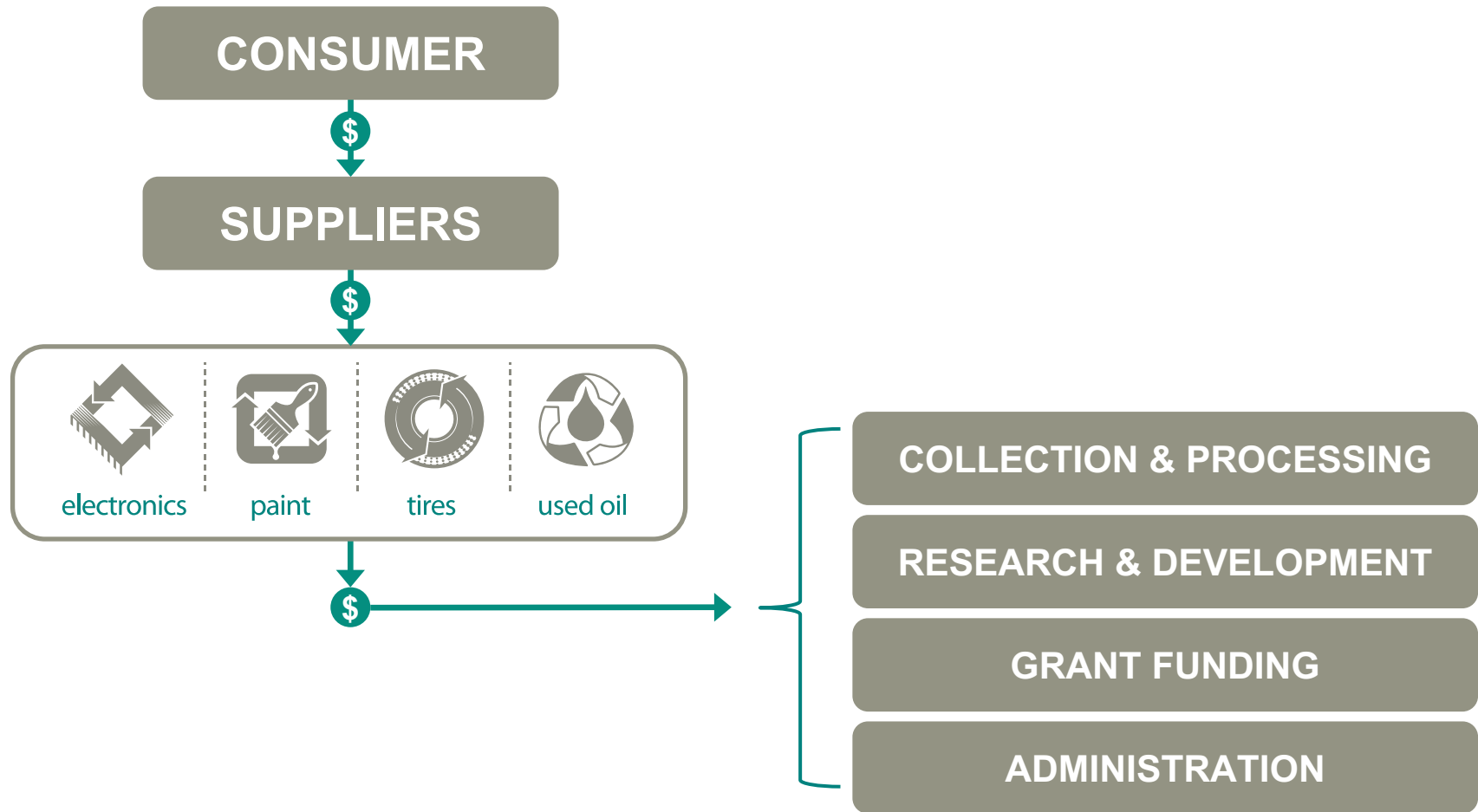
- Program **costs paid by consumers** through industry (environmental fees)

- Ensure program **sustainability** – environmentally; financially

- **“Open” organization** - program involves multiple interests (stakeholders)
 - Ensure **transparency, accountability** - critical for good governance

Recycling fees

How the money flows



Looking Ahead

The Immediate Future

- Refresh Vision, Mission and Values
- Expansion of existing programs
- De-regulation of recycling programs
- Increase communication and awareness
- Harmonize with other jurisdictions
- Support environmental innovation & outcomes

Further down the Road

- Expansion of new programs
- Optimizing business model and structure
- Reduce, Reuse, Recycle and Recover
- Develop innovation opportunities to support Alberta made solutions





visit

albertarecycling.ca



ELECTRONICS



PAINT



TIRES



USED OIL