

\*kgs. recovered per capita; \*\*cost per kg. recovered

## Tire Suppliers' Recycling Role

When Albertans get new tires, they usually leave their old ones behind. They can because 3,060 vehicle and tire dealers and auto repair shops play a dual role – selling new tires and being a primary collection point for scrap tires destined for recycling at Alberta facilities.



## RECYCLING RESULTS

The chart presents results for the last five years of the Program.

The downturn in Alberta's economy that began in fall 2014 gradually impacted sales of new tires and reduced volumes of discarded tires available for recycling. In 2018, sales of new tires began to recover and will result in rebounding recycling volumes as scrap tires are collected and recycled.

*Number of tires recycled*



# ALBERTANS ARE GETTING GREAT MILEAGE FROM THEIR TIRE RECYCLING PROGRAM WITH \$12.6 MILLION IN GRANTS

Across the province you will find recycled tire products in 590 Municipal Demonstration Grant Projects such as playgrounds, arenas, outdoor fitness areas and walking trails.

Additionally 145 Indigenous communities and municipalities have received funding to upgrade their tire collection areas located at landfills and transfer stations.



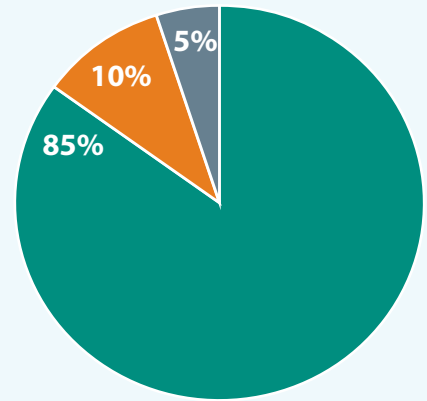
## ALBERTANS SUPPORT THE TIRE RECYCLING PROGRAM

Every year Albertans are polled to measure support for both the Program and the environmental fees charged on the sale of new tires. This year results indicate Program support remains strong. While support for the fees has dropped by 1%, it remains the highest of the three recycling programs. Follow us on Facebook and Instagram and post a photo of a grant project in your community!

Year	Support for program	Support for environmental fees
2014	86%	61%
2015	90%	60%
2016	86%	64%
2017	87%	61%
<b>2018</b>	<b>83%</b>	<b>60%</b>



### How the fees are used







- **Recycling Expenditures 85%**  
(Collection and recycling of tires)
- **Administration 10%**  
(Program management)
- **Recycling Development 5%**  
(R&D; Program awareness)




## ENVIRONMENTAL FEES AT WORK

The environmental fees paid on the purchase of new tires are used to help fund tire collection and recycling along with other Program-related costs (see pie chart). There are 3,060 businesses (Suppliers) registered with Alberta Recycling to ensure that the fees are remitted on every eligible tire sold in Alberta.

Alberta Recycling values the commitment of these Suppliers who diligently remit the fees for the recycling of scrap tires.

	<b>CAR AND LIGHT TRUCK TIRES</b> (e.g. spares, sport and cross-over utility vehicles)	\$4/tire
	<b>SPECIALTY, INDUSTRIAL AND OTHER TIRES</b> (e.g. trailer, ATV, dirt bike, ATV, forklift, small loaders, skid-steers)	\$4/tire
	<b>MEDIUM TRUCK TIRES</b> (e.g. large commercial freight trucks and passenger buses)	\$9/tire
	<b>OFF-THE-ROAD TIRES</b> (e.g. equipment used in construction, road building, forestry mining etc.)	\$40, \$100, or \$200/tire depending on rim size

This chart breaks out the amount of tires processed by type for the past three years. Tires vary in size and weight, therefore a standardized unit is applied to present the results, using a passenger-tire-equivalent (PTE) of one PTE equalling 10 kgs. There is 100 PTEs in one tonne of tires.

Year	 Passenger, Light Truck, Specialty, Industrial & Other Tires (PTE)	 Medium Truck Tires (PTE)	 Off-the-Road Tires (PTE)
2016 Result	3,997,500	2,333,900	534,500
2017 Result	3,467,900	2,150,200	448,500
<b>2018 Result</b>	<b>3,761,700</b>	<b>2,035,400</b>	<b>236,200</b>

## ENVIRONMENTAL STANDARDS FOR RECYCLERS

A goal of the Tire Program is to ensure all scrap tires are collected and processed by registered Recyclers in an environmentally and socially responsible manner. Monthly inspections by Alberta Recycling and an environmental audit by external experts every three years, confirm if the Recyclers are following the requirements of the Program.



# WHAT HAPPENS TO YOUR SCRAP TIRES



Two registered recyclers coordinate the collection of scrap tires from **3,060 vehicle and tire dealers, auto repair shops and 343 recycling depots.**

Since 2002 4-H clubs have partnered with Alberta Recycling to clean up rural areas, collecting approximately one million tires for which they have received funding per unit.



**Stage one: tires are shred into large pieces for use as tire-derived aggregate (TDA). The steel and fibre are still embedded.**

Application: TDA is applied in place of washed rock (a limited and non-renewable commodity), as drainage material for leachate collection in municipal landfills.



**Stage two: shred is ground to make mulch, with the steel removed.**

Application: landscaping.



**Stage three: tires are processed into crumb with the steel and fibre removed.**

Application: top-dressing in sports fields or as feedstock for playground surfacing and molded products.

Alberta Recycling is a not-for-profit association responsible for managing Alberta's Tire, Electronics and Paint Recycling Programs – and as of October 1, 2018 the Used Oil Materials Recycling Program. The organization is run by a Board of Directors representing various stakeholder groups and is accountable to the Minister of Environment and Parks.



electronics



paint



tires

**Phone:** Direct (780) 990-1111 or Toll-free 1-888-999-8762

**E-mail:** [info@albertarecycling.ca](mailto:info@albertarecycling.ca)

 [facebook.com/albertarecycle](https://facebook.com/albertarecycle)

 [instagram.com/albertarecycling](https://instagram.com/albertarecycling)

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