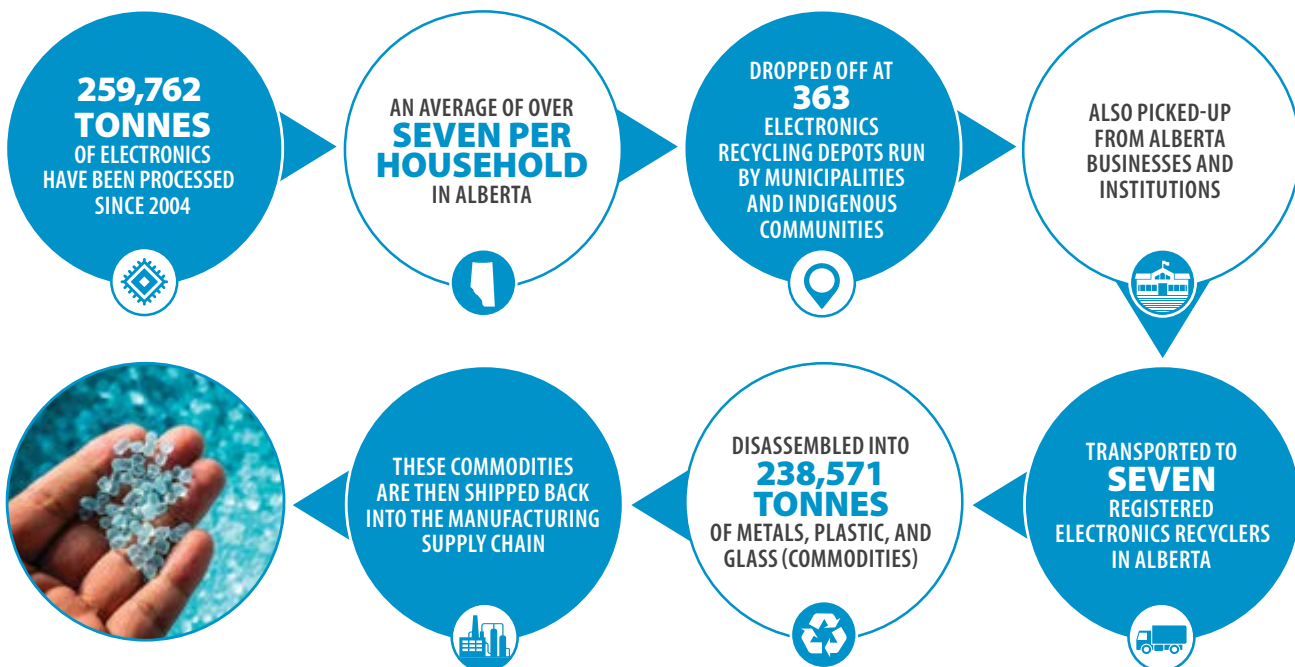


STEWARDSHIP ELECTRONICS RECYCLING 2023 – 2024 PROGRESS REPORT



MAKING RECYCLING MORE CONVENIENT

96% of the population live no further than a 20-minute drive from an electronics recycling depot.

ELECTRONICS RECYCLING RESULTS

This chart displays the results of electronics recycling over the last three years. There were 100 Electronics Recycling Roundups held this year by non-profit organizations and community groups.

	TONNES	PROGRAM MATERIALS KG. PER CAPITA	RECOVERY RATE	TONNES	ePILOT MATERIALS KG. PER CAPITA
2021/22 Result	8,493	1.90	34%	5,340	1.19
2022/23 Result	8,300	1.80	31%	5,176	1.11
2023/24 Target	8,125	1.78	33%	N/A	N/A
2023/24 Result	9,177	1.91	34%	6,089	1.27

PROGRAM SUSTAINABILITY

The environmental fees Albertans pay for new electronics are used to help fund the collection and recycling of used material along with other program-related costs. Registered producers and suppliers remit fees on eligible products sold. ARMA values their commitment as part of the front line of the program.

In 2022 – 2023 an incentive review study was initiated and was finalized in 2023 – 2024. This review was an encompassing look at ARMA’s stewardship programs to assess the overall incentive model and make recommendations on necessary adjustments to incentive program activities, incentive structure, and associated incentive rates.

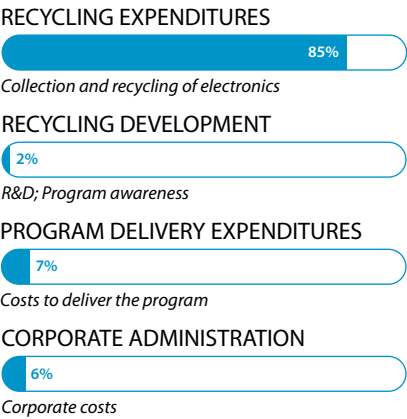
The primary objective of this review was to optimize the programs with the following goals in mind:

- 1. Ensure materials are managed appropriately at end-of-life.
- 2. Maximize environmental outcomes.
- 3. Optimize the collection network to support high recovery rates and access of Albertans.
- 4. Consider the impacts of recycling by-products with volatile market prices.
- 5. Provide an adequate level of funding to ensure sustainable collection, transportation, and processing at a reasonable cost (environmental fees) to Albertans.
- 6. Encourage in-province solutions to support Alberta job creation and economic diversification.
- 7. Support the advancement of the circular economy in Alberta by encouraging entrepreneurship, investment, and innovation.
- 8. Ensure an optimal transportation model.
- 9. Ensure the program incentive model minimizes disruption to the operation of free markets

Periodically, sustainability reviews of processor operations are conducted by an independent third-party to assess if program funding levels are appropriate. In 2023 – 2024, two programs were identified as requiring funding adjustments, prompting sustainability reviews to be completed in early 2024 – 2025 and forming the basis for fee amendments in the Tires and Paint recycling programs in the fall of 2024.

FEES AS OF OCT. 1/21		
	TVS, MONITORS, AND ALL-IN-ONE COMPUTERS LESS THAN 30 INCHES	\$2.50
	TVS, MONITORS, AND ALL-IN-ONE COMPUTERS 30 INCHES OR LARGER	\$6.00
	COMPUTERS AND SERVERS	\$2.00
	LAPTOP, NOTEBOOK, AND TABLET COMPUTERS	\$0.80
	PRINTERS, SCANNERS, PHOTOCOPIERS, AND FAX MACHINES	\$3.00

FEE MANAGEMENT



ADDED SECURITY

Electronics recyclers registered with ARMA adhere to registered processor compliance requirements, ensuring safe and proper disposal of personal information found on devices. However, ARMA recommends wiping your device or hard drive before recycling it for your peace of mind.

85% OF ALBERTANS SUPPORT THE ELECTRONICS RECYCLING PROGRAM

Albertans' support of the electronics recycling program remains strong, as measured in the 2023 – 2024 Survey. This response helps drive the program's success as a means to effectively divert end-of-life electronics from landfills.

PROGRAM PARTICIPATION AND ACCESS

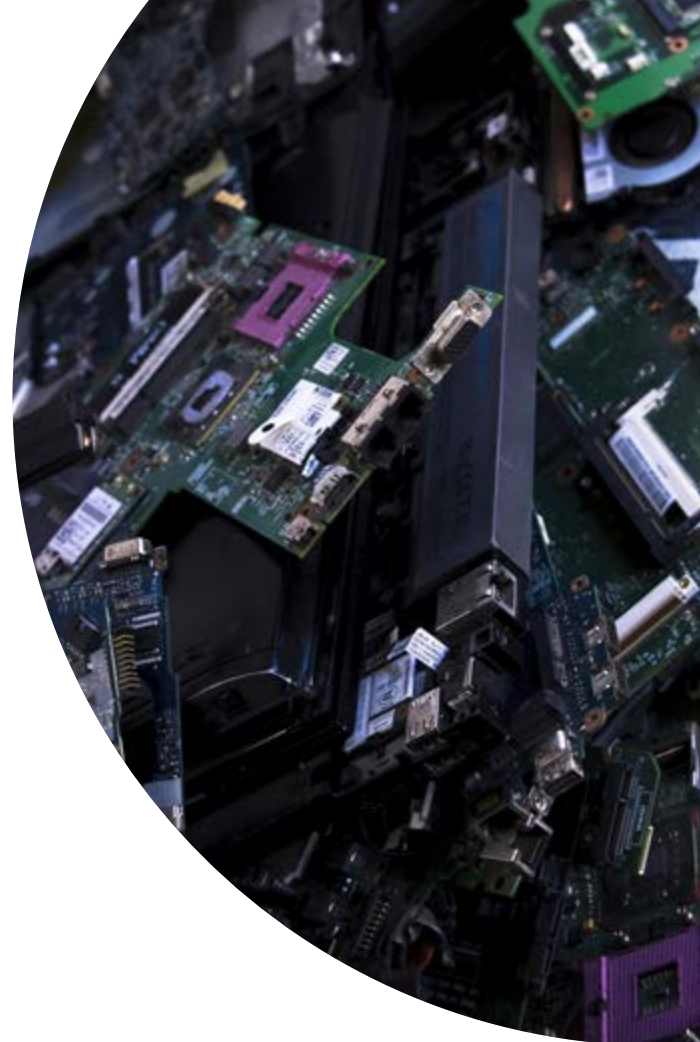
Municipalities and Indigenous communities are key partners on the front line of the program, managing 363 electronics recycling depots in 151 communities across the province. Each site is reviewed annually, with ARMA field staff assisting site operators to ensure they are maximizing the tools available to them through the program.

Additionally, 36 Electronics Recycling Roundups were held this year by these communities. These are special community events that provide an additional opportunity for Albertans to recycle over and above the year-round depots.

HOW 259,762 TONNES OF ELECTRONICS ARE RECYCLED

Registered processors pick up TVs and computer products from businesses, institutions, and registered collection sites located in municipalities and Indigenous communities across the province. The collected material is transported to Alberta-based processing facilities where they are broken down and separated into metals, plastic

and glass, which are then shipped into the manufacturing supply chain. The following are results from the past three years, revealing a year-over-year decrease in glass and plastic which could be indicative of a decrease in cathode-ray-tube TVs and monitors available for recycling.



2021-22 RESULTS = 8,493 TONNES



2022-23 RESULTS = 8,377 TONNES



2023-24 RESULTS = 9,177 TONNES



*Includes batteries, toner, ink, wire, cables, wood.

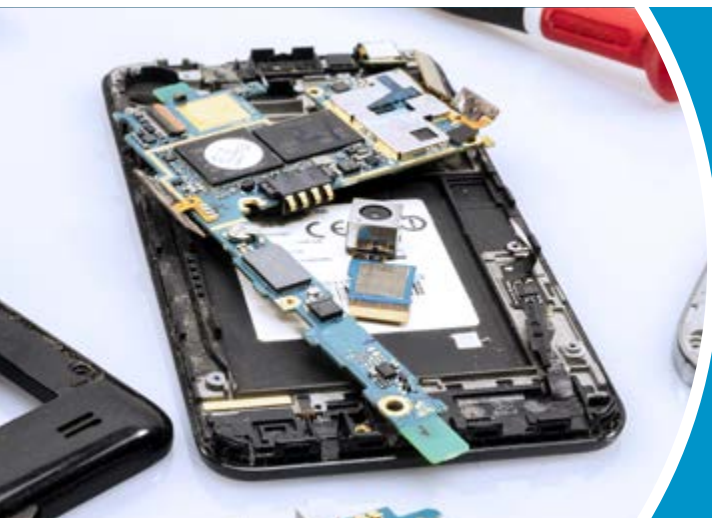
EXPANSION OF THE ELECTRONICS RECYCLING PROGRAM

ARMA is pleased to announce that the Government of Alberta has approved the proposed expansion of the Electronics Recycling Program, which will take effect on April 1, 2025. This expansion will integrate over 500 ePilot items into the program and include consultations on recycling programs for solar panels, electric vehicle (EV) batteries, and wind turbine electronic components. Alberta was the first province in Canada to establish an electronics recycling program and will now be the first to recycle these renewable energy products.

As valued partners in the ePilot program since 2020, communities across Alberta operating registered electronics collection sites have played a vital role in its success, ensuring that over 21,000 tonnes of ePilot material have been collected for responsible recycling. Their collaboration with registered processors and the ability to manage an expanded scope of materials have been key factors in securing the approval for this program expansion.

Until the expansion takes effect on April 1, 2025, all program activities and requirements will remain unchanged.

The provincial government will lead consultations with various stakeholders regarding the next steps for solar, EV battery, and wind turbine recycling.



ENVIRONMENTAL COMPLIANCE

A program goal is to ensure registered processors operate in an environmentally and socially responsible manner. Annual environmental audits by external experts are conducted to confirm if the processors are following program requirements.



INSPIRING A FUTURE WITHOUT WASTE

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