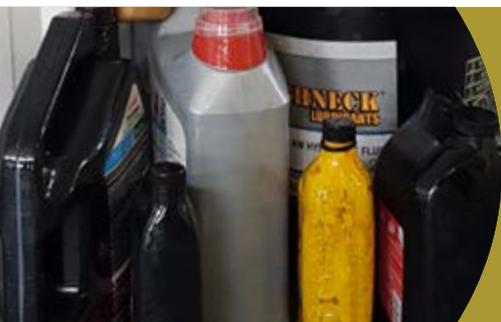




USED OIL MATERIALS RECYCLING 2021-22 PROGRESS REPORT



MAKING RECYCLING MORE CONVENIENT

Municipalities and Indigenous communities are committed to this program and have established 235 recycling depots and held 28 roundups in 2021/22 for the collection of used oil materials.

USED OIL RECOVERY RESULTS

This chart presents results over the last three years for used oil recovery. 2021/22 shows a 6.5% increase in oil recovered over 2020/21. This is a result of slightly loosened travel restrictions, but still similarly reduced business activity/expenditure due to the impact of COVID-19.

USED OIL RECOVERED	LITRES* (MILLIONS)	KG. (MILLIONS)	KG. PER CAPITA	CAPTURE RATE
2019/20 Result	86.61	75.35	17.12	79.7%
2020/21 Result	73.26	63.74	14.37	74.0%
2021/22 Target	82.59	71.85	16.29	78.9%
2021/22 Result	78.05	67.91	15.16	70.2%

Definition of capture rate: industry estimates that 35.5% of oil sold is consumed during use, leaving 64.5% as end-of-life.

*Based on an average weight per litre of 0.87 kg.

COLLECTION AND PROCESSING RESULTS FOR FILTERS

The chart presents results over the last three years for used oil filters collected and processed. 2021/22 saw a 6.4% increase in collected volumes and an 8.5% increase in processed volumes of filters.



FILTERS COLLECTED AND PROCESSED	— KG. (MILLIONS) —		KG. PER CAPITA	RECOVERY RATE
	COLLECTED	PROCESSED		
2019/20 Result	4.49	3.24	1.02	82.3%
2020/21 Result	3.74	2.67	0.84	77.0%
2021/22 Target	4.20	3.02	0.95	80.2%
2021/22 Result	3.98	2.90	0.89	74.1%

Definition: Recovery rate measures the amount collected as a percent of the amount purchased.

COLLECTION AND PROCESSING RESULTS FOR CONTAINERS

This chart presents results over the last three years for containers collected and processed.

The disparity between container volumes for 2019/20 and those for 2020/21 and 2021/22 results from changes ARMA made to container incentives to better align with the regulation. This change involved discontinuing payments for processing of non-program containers, while allowing for a tolerance level to support a smooth transition period for processors of containers.

Additionally, COVID-19 impacted the volume of containers sold and recovered for the past two fiscal years.



CONTAINERS COLLECTED AND PROCESSED	— KG. (MILLIONS) —		KG. PER CAPITA	RECOVERY RATE
	COLLECTED	PROCESSED		
2019/20 Result	2.37	2.07	0.54	95.6%
2020/21 Result	2.15	1.61	0.49	92.2%
2021/22 Target	2.02	1.70	0.46	79.8%
2021/22 Result	2.11	1.77	0.47	87.1%

PROGRAM SUPPORT

Albertans' support of the used oil materials recycling program remains strong, as measured in this year's survey. This response helps drive the program's success to effectively recover used oil materials.

YEAR	SUPPORT
2018/19 Result	86%
2021/22 Result	82%

PROGRAM SUSTAINABILITY

The environmental fees Albertans pay for new oil materials are used to help fund the collection and recycling of leftover material along with other program-related costs. There are **281 producers and suppliers** registered to remit fees on eligible product sold. ARMA values their commitment as part of the front line of the program.

ARMA also conducts ongoing financial analysis and projections to determine if changes to fees or recycling expenditures are warranted to meet program goals and ensure program sustainability.

FEE MANAGEMENT

RECYCLING EXPENDITURES



Collection and recycling of used oil materials

RECYCLING DEVELOPMENT



R&D; Program awareness

PROGRAM DELIVERY EXPENDITURES



Costs to deliver the program

CORPORATE ADMINISTRATION



Corporate costs

WHAT HAPPENS TO YOUR EMPTY CONTAINERS AND USED FILTERS

Plastic oil containers and metal oil filters are an equally important part of the Used Oil Materials Recycling Program as the environmental fees paid at the time of purchase help fund the collection and recycling of these materials.

The containers are pelletized and used as feedstock for new plastic products such as composite lumber, fence posts, and parking curbs. Oil filters are crushed (with the residual oil captured) and processed into industrial materials such as rebar.



ENVIRONMENTAL COMPLIANCE

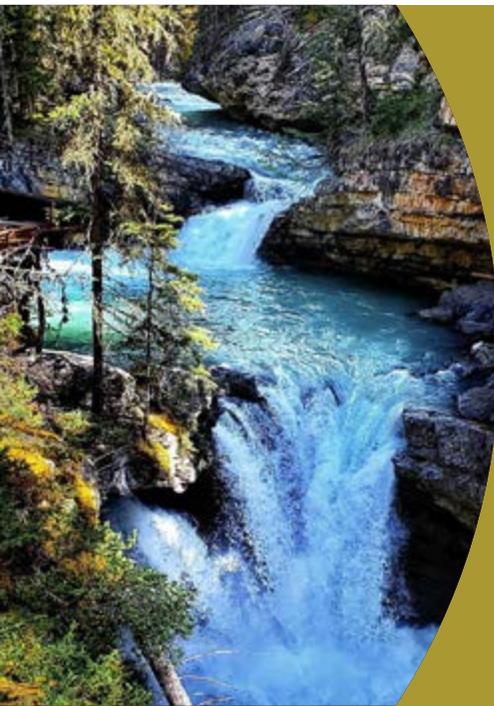
An objective of the program is to ensure that all used oil materials are collected and processed by registered recyclers in an environmentally and socially responsible manner. Monthly inspections by ARMA and an environmental audit every three years, confirm if the recyclers are following the requirements of the program.





RECYCLING IN ACTION

Through ARMA's curbside roundup pilot, some backyard mechanics were provided with an opportunity to conveniently recycle their used oil materials.



PROPOSED PROGRAM EXPANSION

In 2021/22 ARMA received direction from Alberta Environment and Parks to consult with industry associations and other stakeholder organizations regarding expanding the program to include:

- Diesel Exhaust Fluid (DEF) containers
- Glycol/Antifreeze concentrate and pre-mix
- Glycol/Antifreeze containers
- Brake fluid containers
- Aerosol containers for brake cleaner, automotive parts cleaner, and lubricant
- Windshield washer fluid containers

The proposed expansion is also focused on increasing the maximum container size in the program from 30L to 210L. The first phase of consultation took place from September/21 – March/22 with industry support received for the materials listed above to be included in a program expansion.



INSPIRING A FUTURE WITHOUT WASTE

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ARMA oversees end-of-life processing of tires, electronics, paint and used oil materials on behalf of the province. Since 1992, ARMA has worked with a broad spectrum of stakeholders to shape recycling policy, create a value-added processing system, minimize waste entering landfills and to act as collective stewards of Alberta's environment.