



CASE STUDY

SASKATCHEWAN ASSOCIATION FOR RESOURCE RECOVERY CORP.

FAST-FACTS

FACILITIES

- 37 EcoCentres
- 150 drop-off points
- 205 members

RECOVERY STREAM

- Used oil
- Used oil filters
- Used antifreeze
- Anti-freeze and diesel exhaust fluid (DEF) Plastic containers

STATISTICS

- 15,669,469 litres of used oil
- 1,615,120 filters
- 272,158 litres of used antifreeze
- 419,569 kg of plastic containers

BENEFITS

- Eliminate paper and redundant processes to save time and money
- Gain the ability to analyze data in real time, by geography zones
- Extract data-driven insights to support business decisions
- Show progress towards compliance obligations at any time with real-time data

BACKGROUND

The Saskatchewan Association for Resource Recovery Corp. (SARRC) manages a widespread recycling program for used oil, filters, and antifreeze, along with their plastic containers. The Association operates under an Extended Producer Responsibility (EPR) framework with a goal of meeting the expectations of the Product Stewardship Plan and ensuring compliance with the Used Petroleum and Antifreeze Product Stewardship Regulations.

SARRC works with approximately 205 members across the province of Saskatchewan to perform recycling tasks and functions for their four recycling streams. To pick up amassed recycling materials and drop them off to processing facilities, the Association works with a large collection network, including 37 year-round public recycling facilities and hundreds of collection points that span the province (more than 651km²).

SARRC manages the recycling program using a model where an incentive is set and paid to members to encourage ongoing collection and recycling of materials. (Typically, agricultural, mining and transportation sectors are the main generators of the items that need to be recycled, along with personal automotive use.) To generate the incentive payout, proof of material pick-ups and drop-offs is required. Incentives vary depending on specific locations, and the calculations of these rates can get complicated.

A key part of the organization's operations is setting annual recovery targets for each of the four recycling streams. Members of SARRC's network are tasked with meeting these targets, and they report to SARRC on their progress throughout the year. Prior to transitioning to Diversys, members recorded the details of their work (such as quantities pick up or dropped off, and where) using paper forms. These forms were then collated by SARRC, who used the information to calculate payments, track progress towards recovery targets, and manually analyze the performance of their program.

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SARRC
Saskatchewan Association
for Resource Recovery Corp.

“Diversys will address our need to streamline administration and gather better data about our recycling and collection system. Not only will this help us be more productive, the detailed, digital dataset developed will help drive better EPR reporting, and ultimately contribute to a world with zero waste. We’re very excited to see where this partnership leads.”

*Ethan Richardson, Executive Director,
The Saskatchewan Association for
Resource Recovery Corp. (SARRC)*

CHALLENGES & SOLUTION

SARRC selected Diversys as its recycling and waste management solution to overcome several challenges inherent to their existing, paper-based processes. Diversys addresses:

- digitizing and streamlining the management of their flow of used oil, antifreeze, filters, and plastic containers to eliminate cumbersome paper processes and reduce all of their related costs, redundancies, errors, and related issues
- automating the operational, day-to-day activities and functions, from in-the-field collection activities right to the program management portal, to increase visibility on each step of the process across the entire organization
- ending the cycle of relying on incomplete and hard-to-access data and moving to a solution that captures, vets, stores, and safeguards data at the highest level of integrity
- utilizing a modernized way to easily access the data they need and trust for used oil, antifreeze, filters, and plastic containers—anytime, anywhere—to justify business decisions in ways not previously possible
- automating the calculations required for incentive payouts, using different rates for different geographies, zones, or groups of haulers or collectors
- mitigating their risk of adopting a new solution by choosing a cloud-based, Software-as-a-Solution (SaaS) that provides a low total cost of ownership
- identifying all details pertinent in the flow of materials and each of their four recovery streams—geo-tagging locations of collectors and processors, and accurately measuring material volumes recovered
- relying on automated and audit-ready data to validate accuracy of transactions and claims while speeding up process time as a result of mobile support
- generating reports to support organizational needs and to accurately reflect progress towards recovery targets, compliance obligations, and other performance metrics

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