



SARCAN

RECYCLING

OMGHC!

SWRC REFORUM 2022



CAUTION: **IT ISN'T ALL ABOUT THE G'S!**

SARCAN completes an Environmental Sustainability Report each year that includes more than just a GHG inventory.

Because of the work that we do, these facets of our organization are really intertwined.



ABOUT US



73 Recycling Depots 2 Processing Plants

Beverage containers,
paint, electronics, and
batteries



Social Responsibility

Create almost 1,000
employment opportunities
annually



Environmental Sustainability

Protect the environment
through recycling



Community Building

Support SK businesses,
help build sustainable
communities, give back

76 Facilities

73 depots, 2 plants,
1 office

65 Communities

From Buffalo Narrows
to Coronach

1.7 million
Customer Visits
Annually

946 Employees

Some facilities as large
as 50 employees

Hybrid Operations

Own VS rent
Operate VS franchise
Do VS subcontract



OUR OPERATIONS @ SARCAN

We are a big business.

Our business has a really wide footprint
and we move a lot of materials across a
wide geographic area (Saskatchewan and
beyond).

THIS IS A BIG FOOTPRINT
THIS IS A LOT OF DATA



OUR REPORTING JOURNEY



STARTED IN 2015

- We wanted to speak more confidently and meaningfully about the environment benefits of our work.
- We wanted to establish a baseline to track our performance.
 - Historical to 2011-12
- We wanted to look for ways we could improve our performance in the future.



A photograph of a recycling facility. In the foreground, several workers wearing safety vests and hard hats are standing next to large, clear plastic bags filled with plastic waste. In the background, a large blue conveyor belt system is visible, transporting material through the facility. The scene is set in a large industrial building with a high ceiling and multiple light fixtures.

Our Performance Indicators

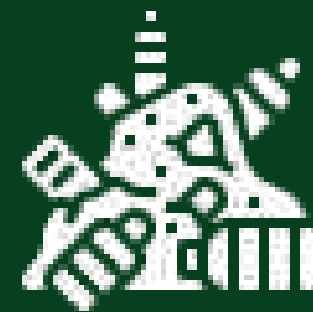


OUR PERFORMANCE INDICATORS



Waste Diverted

Pounds of materials
collected



Landfill Space Saved

Cubic volume
diverted from landfill



Resources Conserved

Commodities used in
production



Trailer Loading Efficiency

Weight placed on
outgoing trailers



OUR PERFORMANCE INDICATORS



GHG Footprint

Total GHGs emitted
from all sources



Energy Saved

Recycling VS using
virgin materials



Emissions Prevented

Recycling VS using
virgin materials



Water Consumption

m3 consumed by a
pretty messy job





GHG SCOPE

TRANSPORT

- Freight: Depot >> Plants
- Freight: Plants >> Salvage Markets
- Powered Mobile Equipment (propane)
- Passenger Vehicle
- Cube vans
- Chartered buses
- Air



FACILITIES

- Electricity
- Natural gas
- Water

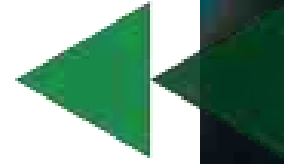


Excluded:

- Vendor transportation
- Work completed at salvage markets
- Not a cradle-to-grave inventory for recyclables

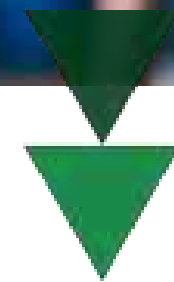


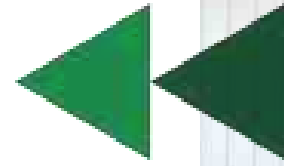
Data >> Action



IDENTIFY WASTE

- Financial waste
 - We are a business, and we make decisions impacted by our bottom line
- Time/ labour efficiency
- Solid waste

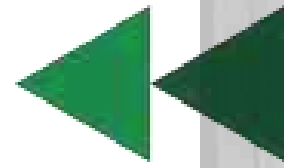




INCREASE EFFICIENCY

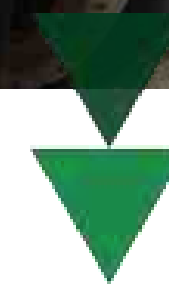
- Building efficiency (ESP: new builds)
- Equipment efficiency (EX: electric forklifts)
- Loading/ hauling efficiency

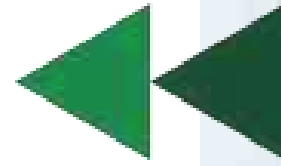




TRAILER LOADING EFFICIENCY

- Improve booking process
- Training for trailer loaders
- Tracking shipping weights
- Expand use of compaction equipment

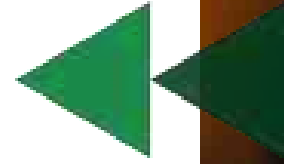




COMPACTION RATE

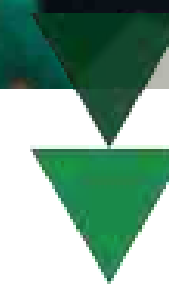
- 120 flatteners across the province
 - 22 highest efficiency flatteners
- Placement based on overall impact (geographic/fuel distance, cost savings, container volume).

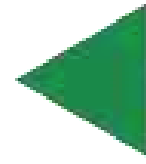




WASTE DIVERTED

- Provide guidance to our marketing efforts (least returned materials)
- Enhance internal recycling efforts
- Share landfill space savings with municipalities





REPORTING & EDUCATION

- We share our findings internally (Board, employees) as well as key stakeholders
- We share data with customers to help them know why it is important to recycle



Results





41M

SARCAN helped SK residents divert over 41 million pounds of materials from our landfills last year.



SARCAN's annual operations help SK municipalities save over 16M square feet of landfill space.

16M



100%

*100% of the
recyclables dropped
off at SARCAN are
transformed into new
products completely
within North America.*

A man wearing a blue long-sleeved shirt, an orange high-visibility safety vest, and large black over-ear headphones is operating a yellow Wajax compactor. He is looking back over his shoulder towards the camera. The machine has yellow structural beams and a control panel with a small screen. A green semi-transparent box is overlaid on the left side of the image, containing white text. In the top right corner of the image, there are four small green squares arranged horizontally.

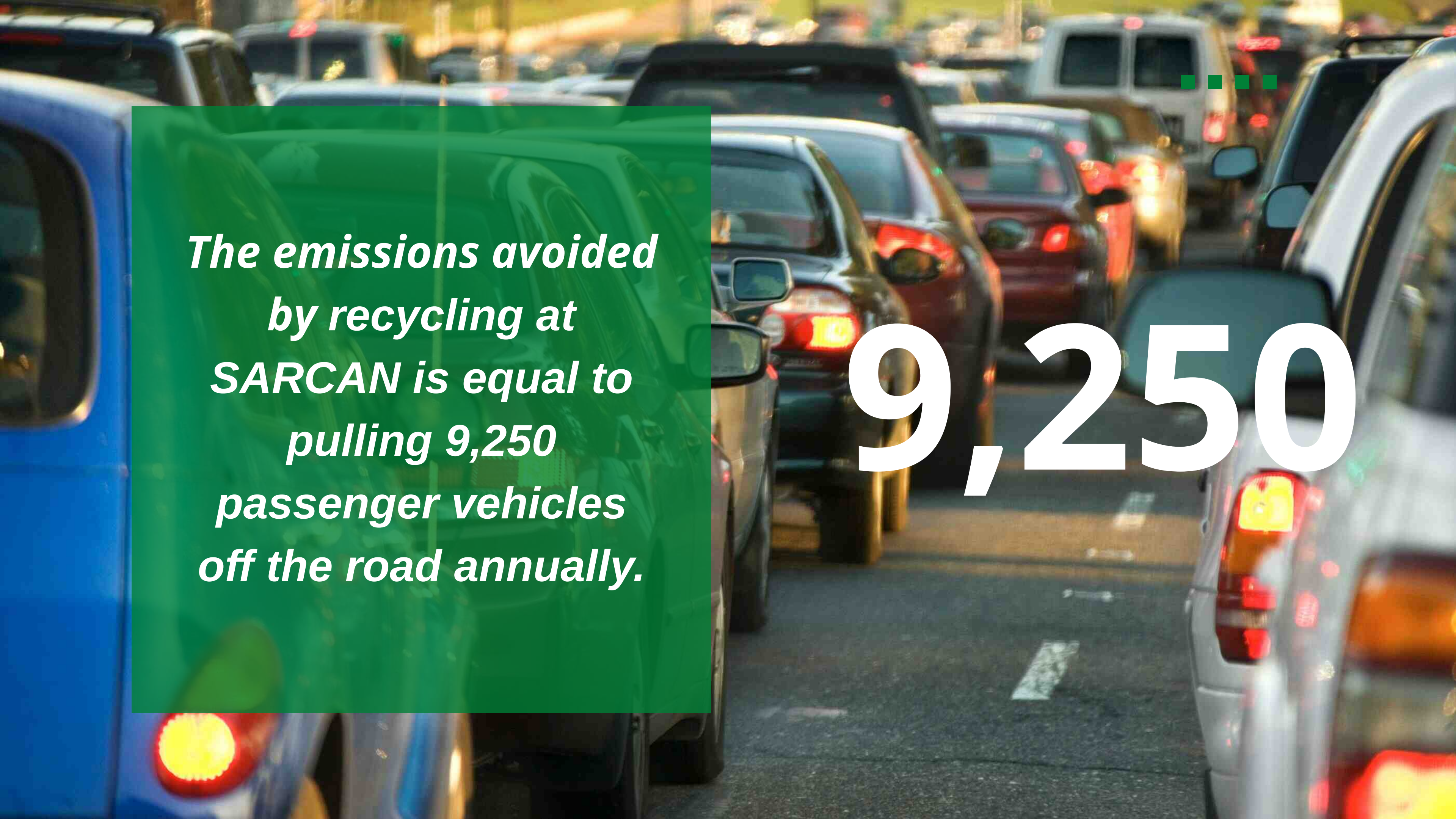
*By efficiently loading
and compacting, we
have reduced the
number of trailers
pulled from depots by
10% over the past 7
years.*

-10%



-80%

Due to efficiencies gained across our system, our overall carbon footprint has been reduced by 8% over the last 9 years.



*The emissions avoided
by recycling at
SARCAN is equal to
pulling 9,250
passenger vehicles
off the road annually.*

9,250

An aerial photograph of a suburban neighborhood. The houses are mostly two-story, with varying roof colors and styles. There are many trees, some with yellowing leaves, suggesting autumn. A road with parked cars runs through the middle of the neighborhood. The overall scene is a typical residential area.

7,607

*The energy saved by
recycling at SARCAN
is equal to the energy
required to power
7,607 homes for a
year.*



*The amount of water
consumed by our
operations has
decreased by 25% over
the past 3 years.*

-25%



Trends Observed



NOTHING BUT A GHG THING.

- We are improving the efficiency of our operations.
 - Even in a period of growth
- What's awesome about this is that it is leading to spinoff benefits.
 - **Shipping**- financial, safety
 - **Flattening**- financial, efficiency, safety
 - **Forklifts**- Air quality, noise level, safety

8 % Less
emissions over last 9 years





WE'RE LIVING IN A MATERIAL WORLD...

- Less glass packaging (less dense weight)
- More plastic packaging
- Lighter/ thinner plastic (more compaction)
- Lighter electronics

Net effect:

Less Weight
More Volume

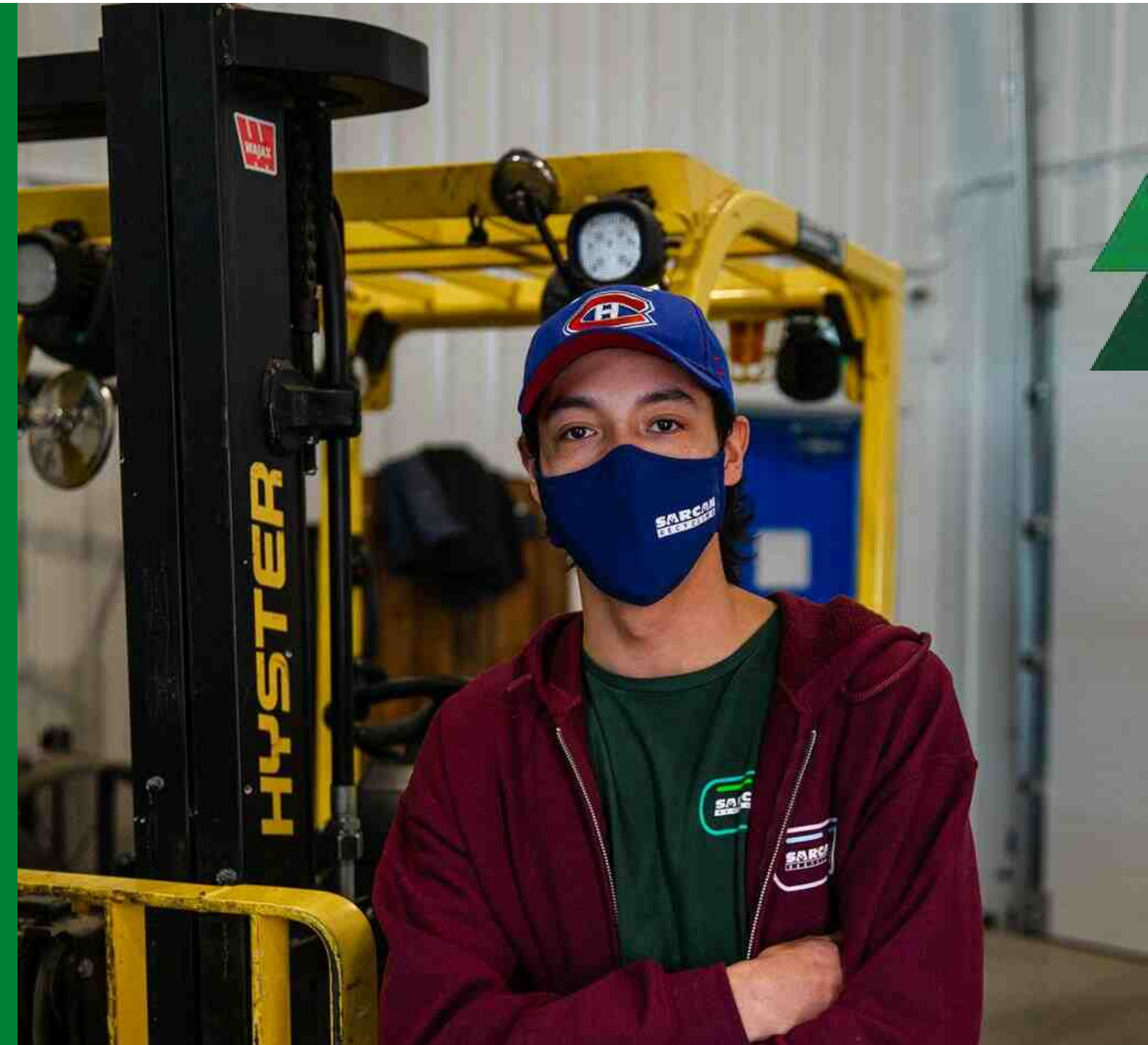




ADDING FUEL TO THE FIRE.

- Energy costs are rising, affecting:
 - Fuel
 - Electricity
 - Natural gas
 - Propane
- Impetus: build efficiencies

2 - 5 % Increase

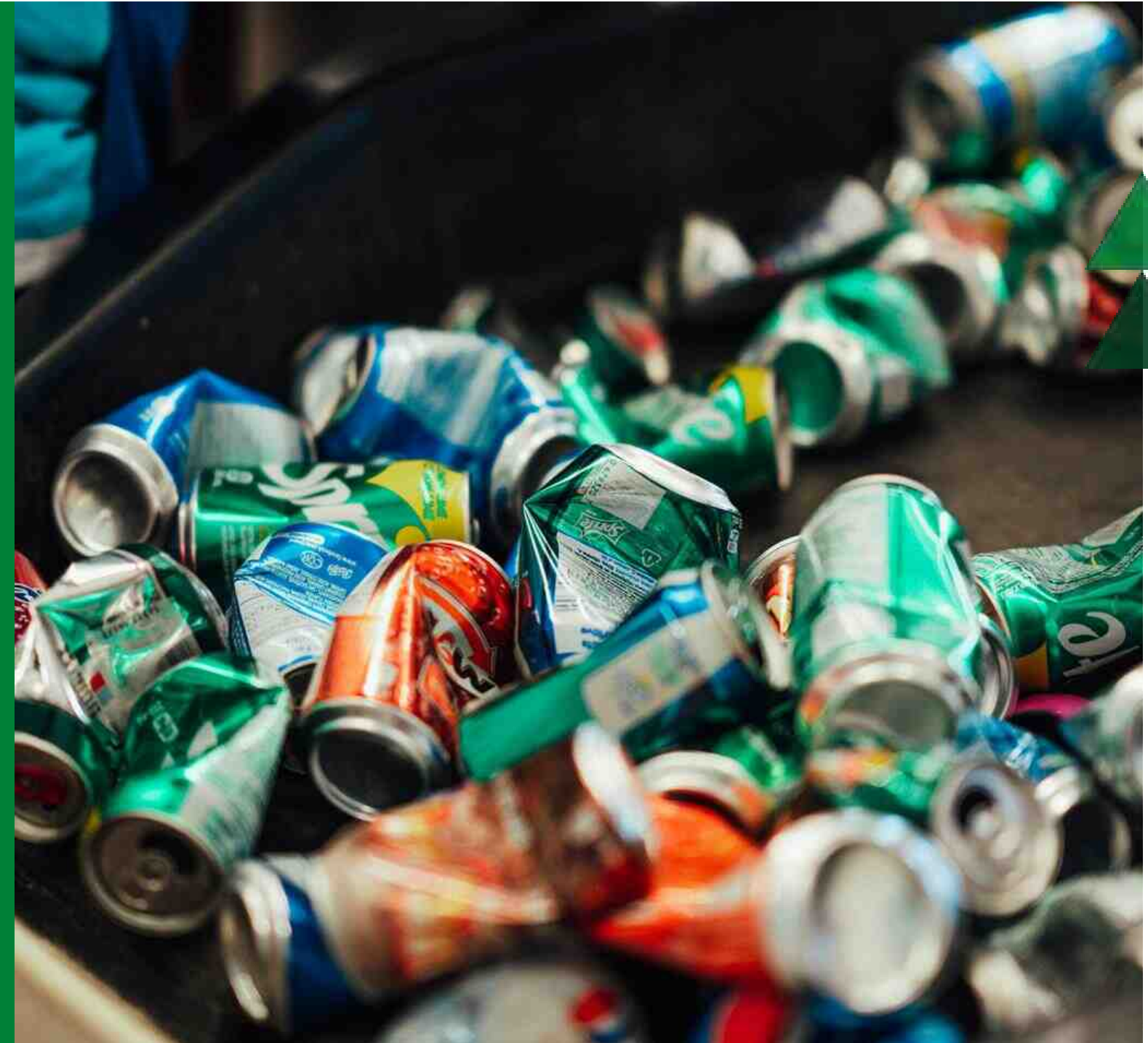




A FLASH IN THE PANDEMIC.

- More in-home consumption of beverages means more containers to recycle
 - Less fountain, less draft, less commercial customers
- Stay of execution for single-use products?
 - Single-use water bottle

**Record high
returns**





Closing Thoughts





THINK STRATEGICALLY



WHAT WILL YOU ACT UPON?

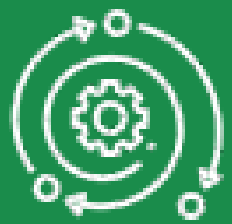
Measurement is great, but without actions dedicated to improve your performance it will lack meaning.

Any efforts you make to track your GHG footprint should be paired with SMART goals.





THINK HOLLISTICALLY



WHAT IS YOUR IMPACT?

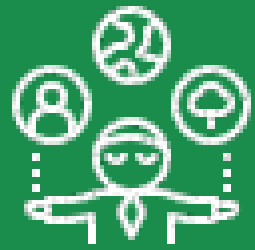
Consider all facets of your organization's impact on the environment.

Do deeper dives into the key drivers and key contributors to your organization's environmental footprint to address ways to lessen your impact.





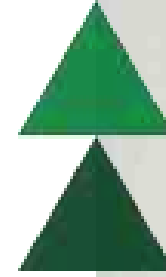
THINK RESPONSIBLY

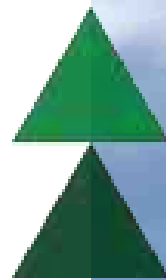


HOW CAN YOU LEAD?

Environmental performance management is an important part of your organization's social mandate.

It's always a good idea to think about how you can show leadership in your sector.





**THANK
YOU**

