



# PRAIRIE ROBOTICS

RECYCLING MADE SIMPLE





**PRAIRIE  
ROBOTICS**  
RECYCLING MADE SIMPLE

**Fighting  
contamination at  
the source  
through highly  
personalized  
education + A.I.**



1

# Reduce time, money & resources spent on waste audits

Artificial Intelligence (A.I.) to detect contamination from each household

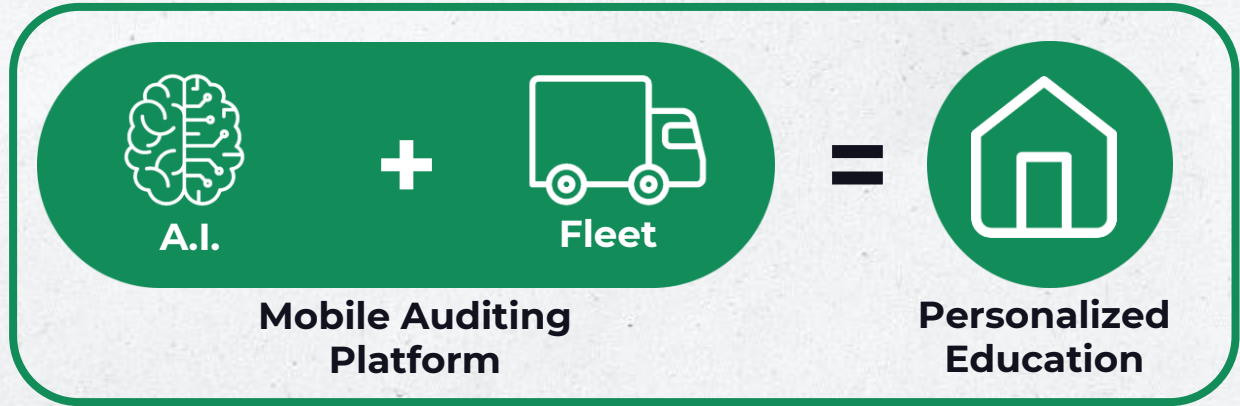


# We Make Recycling Simple

Active Feedback



**Residents  
Recycle**



**A.I.**

**+**



**Fleet**

**=**



**Personalized  
Education**

**Mobile Auditing  
Platform**





**Sort & Roll**  
Curbside Collection Program

City of Abbotsford  
32315 South Fraser Way  
Abbotsford, BC V2T 1W7



**We've noticed the  
wrong material in  
your recycling cart.**



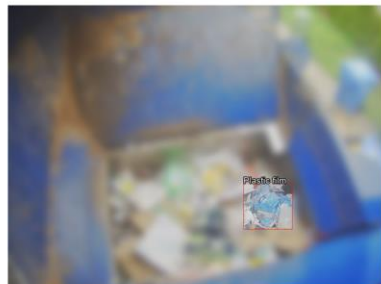
**TURN OVER**  
for more information

Current Resident  
REDACTED  
ABBOTSFORD, BC V3G 1C4

ENGINEERING & REGIONAL UTILITIES  
604-864-5640 | [sortyourwaste@abbotsford.ca](mailto:sortyourwaste@abbotsford.ca) | [abbotsford.ca/CRP](http://abbotsford.ca/CRP)



**On April 26th  
we found items in your cart that are  
NOT recyclable!**



**KEEP THESE OUT:**

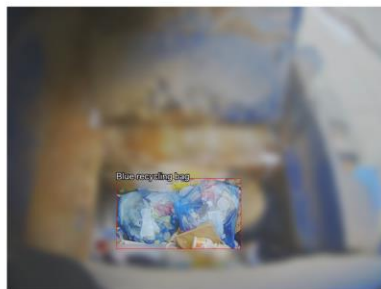


**Recycle Right!**

If you are unsure about what goes in your cart check the Waste Wizard. The online look-up tool is available [abbotsford.ca/wastewizad](http://abbotsford.ca/wastewizad) OR scan the code.

ENGINEERING & REGIONAL UTILITIES  
604-864-5640 | [abbotsford.ca/CRP](http://abbotsford.ca/CRP)  
[sortyourwaste@abbotsford.ca](mailto:sortyourwaste@abbotsford.ca)

**On May 08th  
we found items in your cart that are  
NOT recyclable!**



**KEEP THESE IN:**



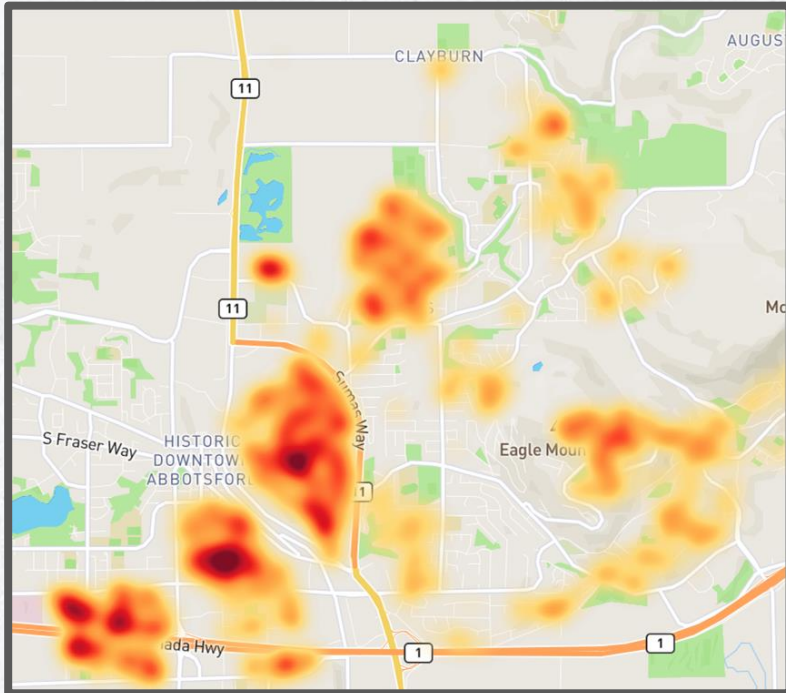
**Recycle Right!**

If you are unsure about what goes in your cart check the Waste Wizard. The online look-up tool is available [abbotsford.ca/wastewizad](http://abbotsford.ca/wastewizad) OR scan the code.

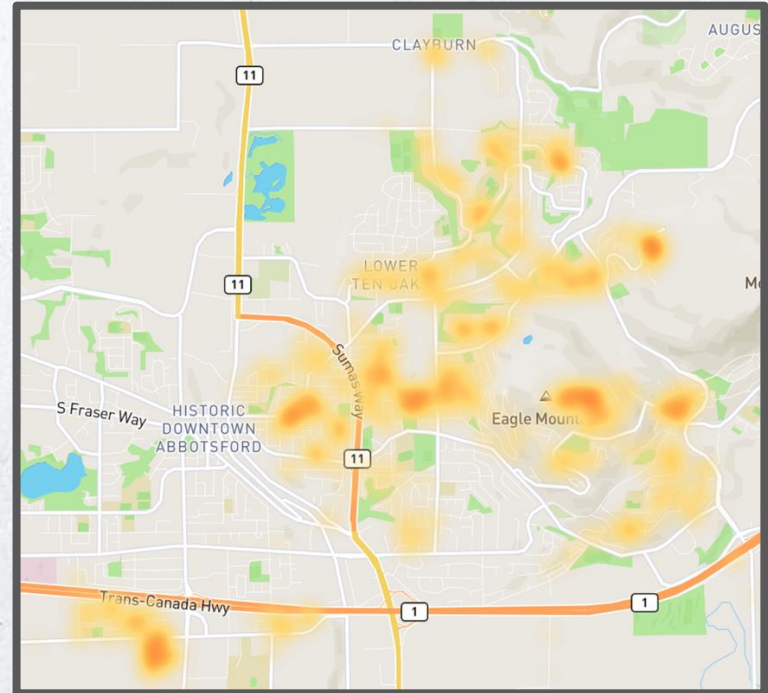
ENGINEERING & REGIONAL UTILITIES  
604-864-5640 | [abbotsford.ca/CRP](http://abbotsford.ca/CRP)  
[sortyourwaste@abbotsford.ca](mailto:sortyourwaste@abbotsford.ca)



## Collections 1 - 4: Baseline



## Collections 5 - 8: Education



# Digital Notifications



**PRAIRIE  
ROBOTICS**  
RECYCLING MADE SIMPLE



**ReCollect**



**Email**



**Text**



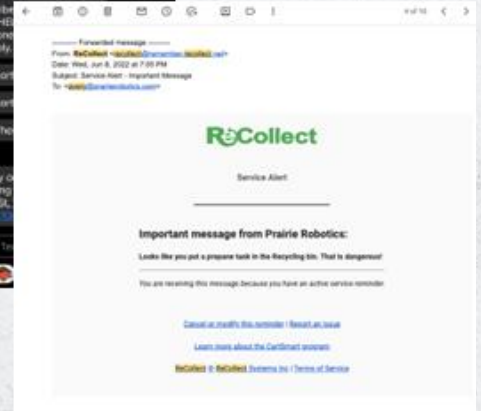
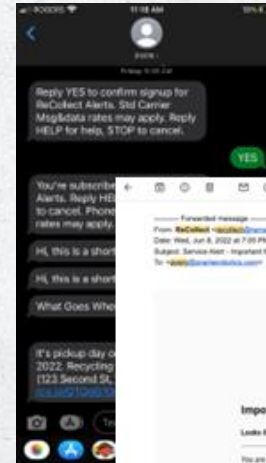
**In-App  
Notification**





**FORT ST. JOHN**  
The Energetic City

**ReCollect**



**When in doubt,  
don't throw it out.**

The City of Fort St. John is working hard to make recycling easy for everyone. By providing updated resources and information, we're taking the guesswork out of going green.

Download the **Waste Wise** app to find out what goes where.

For more information, please contact:  
City of Fort St. John  
Bylaw Department  
250-787-8130 or 3-1-1 for all City services  
Monday to Friday 8:30 am - 4:30 pm  
fortstjohn.ca/garbage-recycling

Current Resident  
 FORT ST. JOHN,  
 BC V1J 5G5

*We found contaminated items in your blue recycle cart.*

**What the heck happened?**

We found **contaminated items** in your recycle cart.

Putting your materials in the garbage can helps ensure they reach the right facility, where they can be sorted, cleaned, and processed for use in manufacturing or permanently disposed of.

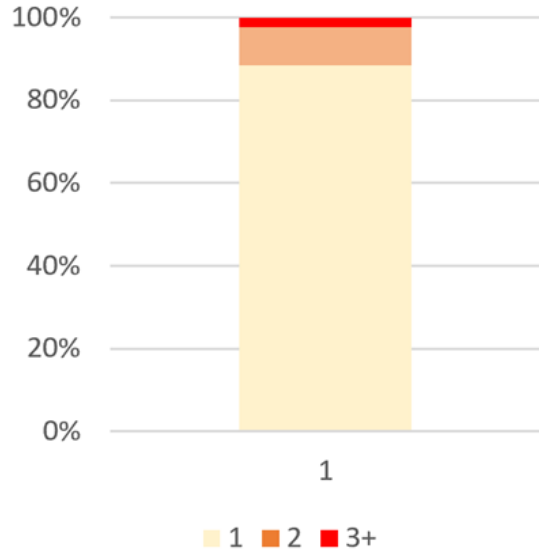
Download the **Waste Wise** app to find out what goes where.

fortstjohn.ca/garbage-recycling

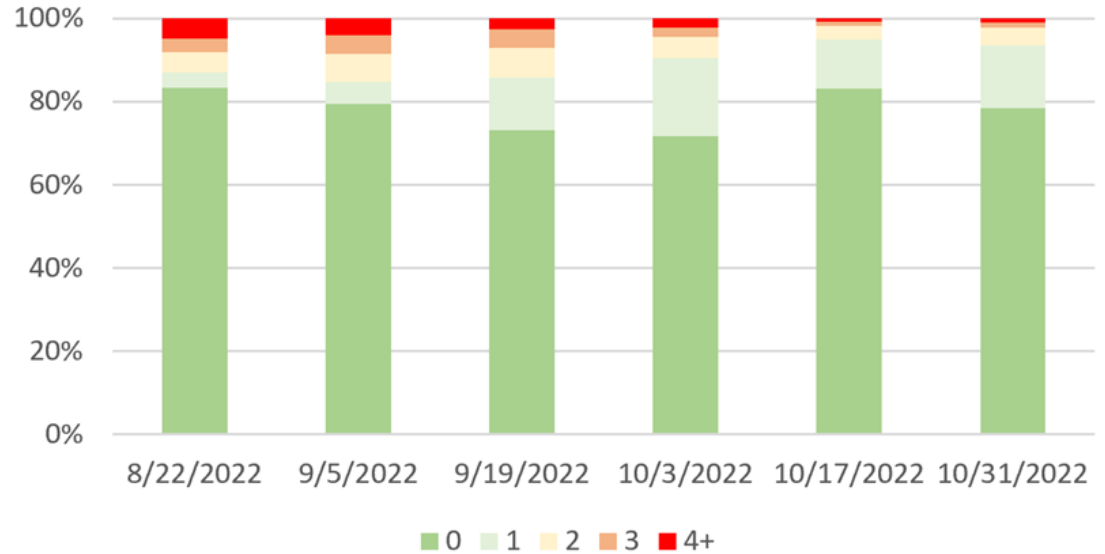




### Repeat Offenders



### Households by Contamination Amount





What **stays out** of the **organics** cart?

leduc.ca/waste


CURRENT RESIDENT  
3207 41 STREET  
LELUC AB  
T3E 0C1

recycle coach  
Download the Recycle Coach app to find out what goes where.

FLIP TO SEE YOUR CART AUDIT!

How can I improve?

We love that you're composting with us! However on October 12th we noticed you placed the following item(s) in your green bin:



The item(s) highlighted above cause issues during composting and can't be placed in your green bin.

For more information, contact the Eco-Smart hotline at 780-980-7107 or email us at [ecosmart@leduc.ca](mailto:ecosmart@leduc.ca)

**CITY OF Leduc**

**Acceptable Compost Items**

Ashes (cooled)	Meat & Bones
Branches 1cm dia. or less	Sauces & Spreads
Yard Waste	Shredded Paper
Coffee Grounds & Filters	Greasy Pizza Boxes
Dairy Products & Eggs	Soiled Paper Plates
Fruit & Vegetables	

**PLASTIC BAGS**      **POP BOTTLES**

## Third Strike Letter

**CITY OF Leduc**

Dear: Resident at <address>      <Print Date>

**Subject: Organics Inspection Program**

The City of Leduc is running an organics inspection program to reduce contamination in residential organics carts in a program where over 90% of residents sort correctly. There are still a select few residents that have improper material in their green cart. This can lead to entire loads of compost being rejected if they are too contaminated, contributing to increased fees for everyone.

There have been 3 or more contamination issues at your household. Please see the attached photos. This letter is your warning that the City may move to enforcement actions if garbage continues to be placed in your organics bin in accordance with City of Leduc Bylaw No. 800-2012.


The City wants to ensure that all residents are aware of the correct sorting procedures which can be found at [leduc.ca/waste](http://leduc.ca/waste). The only items allowed in the organics bin are those that are made up of organic material such as food scraps, leaf and yard waste, and soiled paper products/cardboard. Please only place these accepted items in your organics cart. If you have any questions, or if you think there is an error in what we have detected please contact the undersigned.

Sincerely,

Michael Hancharyk  
Manager, Environment

Engineering and Environment  
City of Leduc  
Phone: (780) 980-8442  
[mhancharyk@leduc.ca](mailto:mhancharyk@leduc.ca)

T 780.980.8442 F 780.980.7127 | 1 Alexander [www.leduc.ca](http://www.leduc.ca) Alberta T3E 0C4



July 17, 2023  
Plastic bags are not allowed in the organics bin.

July 31, 2023  
Plastic bags are not allowed in the organics bin even if they are filled with organics.

August 28, 2023  
Plastic bags are not allowed in the organics bin even if they are filled with organics and black garbage bags are not allowed.

[www.leduc.ca](http://www.leduc.ca)

# Program Launch



Living here Parks and trails Environment Business and land use

## We found items in your recycling cart that are NOT acceptable.

Only include accepted items to help ensure materials can be effectively recycled



Be a better recycler with Recycle Coach, download the app for free today

### ⊗ Keep These Out

- No Clothes, Shoes or Textiles
- No Glass
- No Books (soft or hardcover)
- No Styrofoam (or foam packaging)
- No Flexible Plastics (crinkly wrappers, stretchy plastic, etc.)
- No Batteries (or hazardous containers)
- No Metal Products Not Packaging (scrap metal, automotive parts, pots & pans, etc.)
- No Mixed Materials (bags or garbage: mixed recycling, dirty material)
- No Plastic Products Not Packaging (plastic toys, tarps, storage containers, etc.)

recycle@rdco.com  
250-469-6250  
rdco.com/recycle

The Central Okanagan's curbside recycling program will soon test artificial intelligence (AI) technology to improve overall waste diversion efforts by detecting when the wrong material lands in your recycling cart - and letting you know about it in real time.



Okanagan posted Nov 27, 2023 @ 12:00pm by Iain Burns

## Central Okanagan recycling trucks to take photos, use AI to scan for 'problematic items'

### KELOWNA CAPITAL NEWS

News More Contests Shop E-Editions Classifieds Autos Jobs

## AI to help sort recyclables in Central Okanagan

Watch World Canada Local Politics Money Health Entertainment Lifestyle

CANADA

## Central Okanagan Regional District to use AI to identify materials that can't be recycled



By Kathy Michaels · Global News

Posted November 27, 2023 12:18 pm · 2 min read





# PRAIRIE ROBOTICS

## Cities, Counties & Regional Authorities



## Technology Partners





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[Jenny@PrairieRobotics.com](mailto:Jenny@PrairieRobotics.com)

