



GENERAL INFORMATION PRESENTATION

Presented by Angela Rutledge



WHO WE ARE:

| | |
|---------------------------------|---|
| Year Founded: | 2007 |
| Headquarters: | Vaughan, Ontario |
| Staff: | Approximately 15,000 total employees |
| Solid Waste Division: | Municipal and commercial/industrial collection, transfer station, MRF, organic processing and landfill operations |
| Liquid Waste Division: | Liquid and solid industrial and hazardous waste collection, transfer and processing and industrial cleaning (power washing, line snaking, interceptor cleaning, confined space rescue services) |
| Infrastructure Division: | Site excavation, demolition, asbestos abatement, transportation, shoring, petroleum hydrocarbon bioremediation |



WHERE WE ARE:

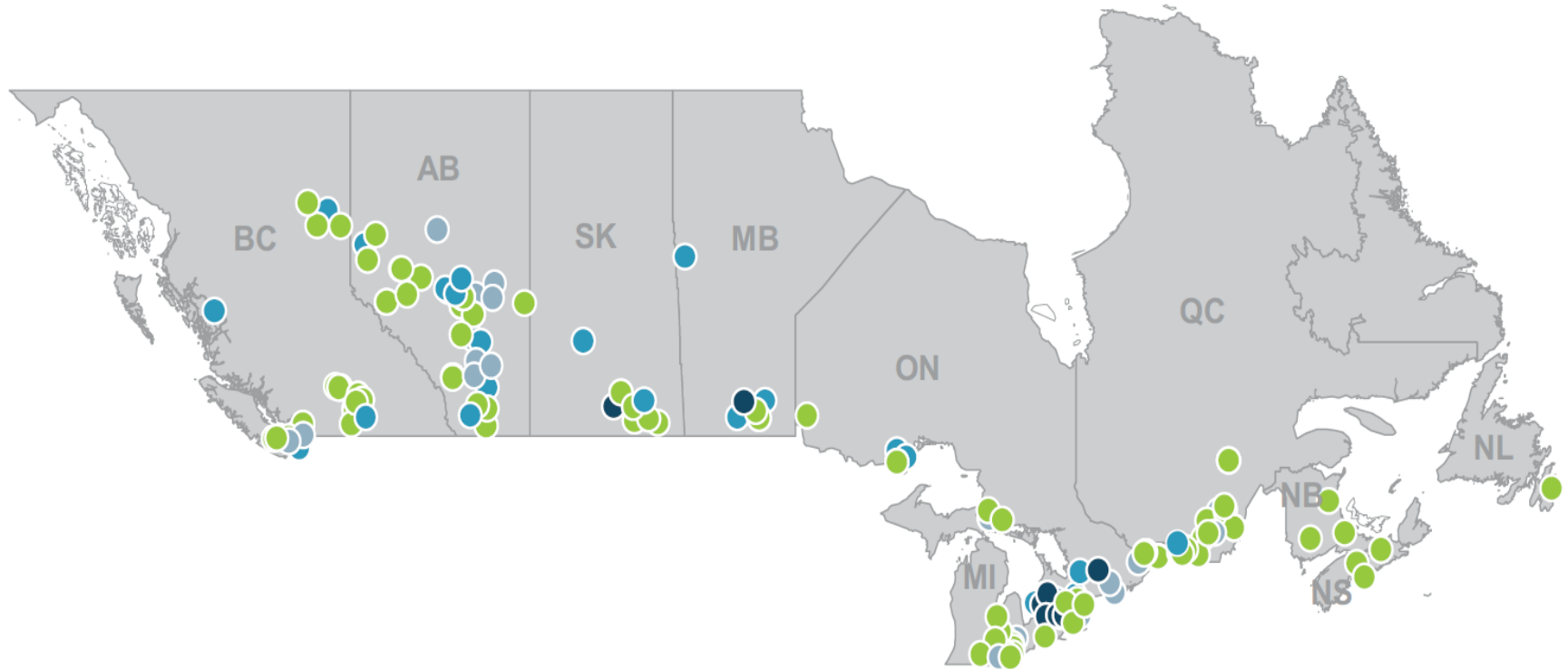
CANADIAN OPERATIONS -

● Solid Waste Collection Operations

● Solid Waste Transfer Stations

● Infrastructure & Soil Remediation Facilities

● Liquid Waste Facilities



WHERE WE ARE:

SOLID WASTE OPERATIONS -

Western Canada:

- Cranbrook, BC
- Chilliwack, BC
- Coquitlam, BC
- Nanaimo, BC
- Squamish, BC
- Calgary, AB
- Edmonton, AB
- Edson, AB
- Lloydminster, AB
- Grand Prairie, AB
- Slave Lake, AB
- Whitecourt, AB
- Winnipeg, MB
- Estevan, SK
- Regina, SK
- Weyburn, SK

Ontario:

- Aurora, ON
- Belleville, ON
- Brighton, ON
- Brockville, ON
- Carleton Place, ON
- Cornwall, ON
- Etobicoke, ON
- Hamilton, ON
- Kenora, ON
- Kingsville, ON
- Kitchener, ON
- Moose Creek, ON
- Orangeville, ON
- Pickering ON
- Sault Ste. Marie, ON
- Thunder Bay, ON
- Toronto, ON

Quebec:

- Beauceville, QC
- Boucherville, QC
- Champlain, QC
- Chicoutimi, QC
- Gatineau, QC
- Granby, QC
- Lachine, QC
- Laval, QC
- Quebec City, QC
- Roland Thibeault, QC
- St-Hubert, QC
- St-Marc-des-carriers, QC
- Trois-Rivieres, QC

Eastern Canada:

- Fredericton, NB
- Moncton, NB
- Saint John, NB
- St. John's, NL
- Antigonish, NS
- Halifax, NS
- New Glasgow, NS
- West Hants, NS



WHERE WE ARE:

SOLID WASTE OPERATIONS -

United States:

- Denver, CO
- Colorado Springs, CO
- Delaware (North & South)
- Albany, GA
- Atlanta, GA
- Macon, GA
- Newnan, GA
- Stockbridge, GA
- Warner Robbins, GA
- Bel Air, MD
- Brimley, MI
- Cheboygan, MI
- Flint/Saginaw, MI
- Pontiac, MI
- Warren/Sterling Heights, MI
- Wayne, MI
- Alamance, NC
- Bolivia, NC
- Columbus, NC
- Durham, NC
- Elizabeth City, NC
- Greensboro, NC
- Henderson, NC
- Hope Mills, NC
- New Bern, NC
- Newport, NC
- Raleigh, NC
- Weldon, NC
- Wilmington, NC
- Wilson, NC
- Lebanon, PA
- Easley, SC
- Clarksville, TN
- Morristown, TN
- Nashville, TN
- Wytheville, VA
- Tidewater, VA



WHERE WE ARE:

LIQUID WASTE OPERATIONS -

Western Canada:

- Delta, BC
- Fort St. John, BC
- Kelowna, BC
- Prince George, BC
- Calgary, AB
- Edmonton, AB
- Grand Prairie, AB
- Nobleford, AB
- Onoway, AB
- Stettler, AB
- Emerald Park, SK
- Saskatoon, SK
- Stockholm, SK
- Flin Flon, MB
- Winnipeg, MB

Central/Eastern Canada:

- Bowmanville, ON
- Bradford, ON
- Brampton, ON
- Brantford, ON
- Gravenhurst, ON
- Kitchener, ON
- Mississauga, ON
- Oakville, ON
- Pickering, ON
- Sault Ste. Marie, ON
- Thunder Bay, ON
- Timmins, ON
- Toronto, ON
- Montreal, QC
- Saint-Jerome, QC

United States:

- Little Rock, AR
- Denver, CO
- Frankfort, IL
- Mokena, IL
- Peoria, IL
- Posen, IL
- Sauget, IL
- Indianapolis, IN
- Portage, IN
- Abilene, KS
- Topeka, KS
- Victoria, KS
- Bossier City, LA
- Comstock Park, MI
- Boonville, MO
- Clever, MO
- Kansas City, MO
- Granite City, MO
- Omaha, NE
- Brookville, OH
- Medina, OH
- Toledo, OH
- Valley Springs, SD
- Deforest, WI
- Franklin, WI



WHERE WE ARE: INFRASTRUCTURE OPERATIONS -

Ontario & Quebec:

- Concord, ON
- Dorchester, ON
- Moose Creek, ON
- Pickering, ON
- Toronto, ON
- Chicoutimi, QC



WHAT WE DO:

SOLID WASTE OPERATIONS –

- **Front-End Services**
 - Waste, Cardboard, Mixed Recycling
- **Rear-Pack Services**
 - Waste, Cardboard, Mixed Recycling
- **Tote Services**
 - Mixed Recycling, Organics (cubes also available in Western Canada)
- **Roll-Off (open and compacted)**
 - Waste, Cardboard, Mixed Recycling, Construction & Demolition Material, Wood, Concrete, Rubble, Asbestos, etc



WHAT WE DO:

SOLID WASTE OPERATIONS –

- **Tractor Trailer Services**
- **Product Destruction**
- **Confidential Shredding**
- **Portable Toilet Services**
- **Compaction Equipment Sales**
- **International Waste Handling**
- **Transfer Station, Recycling Sort Facility, Organic Recycling Facility and Landfill Operations**



WHAT WE DO:

SOLID WASTE OPERATIONS –

- **Environmental/Sustainability Services**

- ✓ In-House, 7 member team - Five (5) members hold LEED (Leadership in Energy and Environmental Design) Accreditation and two (2) members are Certified Waste Auditors, trained through the Recycling Council of Ontario (RCO)
- ✓ Waste Audits (fulfilling MOE reg 102/94, 103/94)
- ✓ Waste Diversion Reporting
- ✓ Customer Education
- ✓ Custom Signage Production (bilingual capabilities)
- ✓ LEED Reporting



RECYCLING - RECYCLAGE



PLASTIC DRINK BOTTLES/
CUPS
BOUEILLES ET GOBELETS
EN PLASTIQUE



GLASS CONTAINERS
CONTENANTS EN VERRE



ENVELOPES
ENVELOPPES



OFFICE PAPER
PAPETERIE DE BUREAU



NEWSPAPER
JOURNAUX



MAGAZINES
REVUES



PLASTIC TUBS & LIDS
POTS ET COUVERCLES EN
PLASTIQUE



PLASTIC JUGS & BUCKETS
PICHETS ET SEAUX EN PLASTIQUE



MILK CARTONS
BOÎTES À LAIT



TETRA PACKS
BERLINGOTS



CLEAN PLASTIC BAGS WITH RECYCLING LOGO
SACS EN PLASTIQUE PROPRES
AVEC LOGO DE RECYCLAGE



ALUMINUM CANS
BOÎTES EN ALUMINIUM



STEEL CANS
BOÎTES DE CONSERVE



BOXBOARD
CARTON



KRAFT PAPER
PAPIER KRAFT



CUP HOLDERS &
EGG CARTONS
PORTE-GOBELETS ET
BOITES À OEUFS



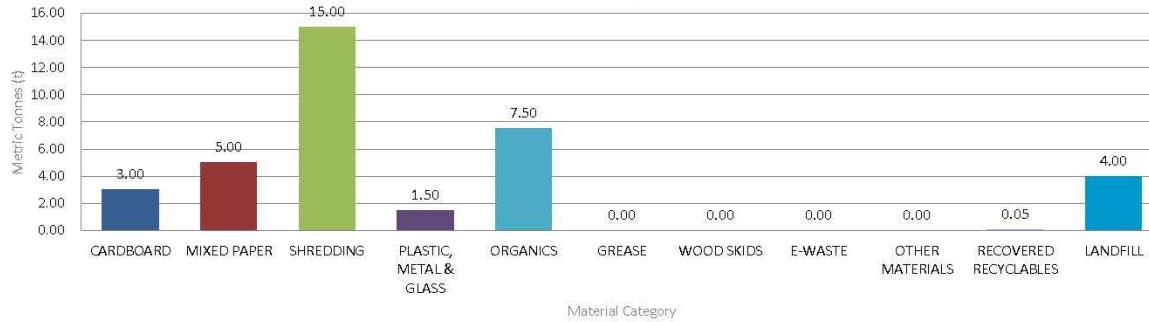
NO FOOD OR LIQUID
AUCUNE NOURRITURE, AUCUN LIQUIDE

ABC COMPANY
123 STREET

2017

| | CARDBOARD | MIXED PAPER | SHREDDING | PLASTIC, METAL & GLASS | ORGANICS | GREASE | WOOD SKIDS | E-WASTE | OTHER MATERIALS | RECOVERED RECYCLABLES | LANDFILL | TOTAL GENERATED | RECYCLED | DIVERSION RATE 2017 | DIVERSION RATE 2016 |
|----------------|-----------|-------------|-----------|------------------------|----------|--------|------------|---------|-----------------|-----------------------|----------|-----------------|----------|---------------------|---------------------|
| Jan-17 | 3.00 | 5.00 | 15.00 | 1.50 | 7.50 | | | | | 0.05 | 4.00 | 36.05 | 32.05 | 88.90% | -- |
| Feb-17 | | | | | | | | | | | | | | | -- |
| Mar-17 | | | | | | | | | | | | | | | -- |
| Apr-17 | | | | | | | | | | | | | | | -- |
| May-17 | | | | | | | | | | | | | | | -- |
| Jun-17 | | | | | | | | | | | | | | | -- |
| Jul-17 | | | | | | | | | | | | | | | -- |
| Aug-17 | | | | | | | | | | | | | | | -- |
| Sep-17 | | | | | | | | | | | | | | | -- |
| Oct-17 | | | | | | | | | | | | | | | -- |
| Nov-17 | | | | | | | | | | | | | | | -- |
| Dec-17 | | | | | | | | | | | | | | | -- |
| TOTAL | 3.00 | 5.00 | 15.00 | 1.50 | 7.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 4.00 | 36.05 | 32.05 | 88.90% | -- |
| AVERAGE | 3.00 | 5.00 | 15.00 | 1.50 | 7.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 4.00 | 36.05 | 32.05 | 88.90% | 0.00% |

Waste Stream Composition



RESOURCES SAVED

| | |
|----------------------------------|------------|
| Trees | 460.00 |
| Oil (L) | 37,810.78 |
| Water (L) | 649,201.00 |
| Landfill Space (m ³) | 105.33 |



Diversion Rate (year to date)



YOUR DIVERSION RATE YEAR TO DATE IS:

88.90%

Waste & Recycling Comparison (by month)



WHAT WE DO:

LIQUID WASTE OPERATIONS –

Processing Capabilities: In addition to collection and transportation of liquid wastes, GFL facilities process and/or treat an impressive variety of wastes generated by industrial, commercial and institutional applications. Our advanced treatment technology allows us to treat a vast range of liquid and solid waste streams.

- Waste water treatment
- Emulsion treatment
- Reduction
- Oxidation
- Acid and alkali neutralization
- Solidification / stabilization
- Solvent and oil recycling
- Fuel blending
- Lab pack services
- Energy from waste/deep well injection



WHAT WE DO: LIQUID WASTE OPERATIONS –

Industrial & Commercial Waste Materials: GFL Environmental Inc. is a trusted partner to many of North America's thriving industries. We provide hazardous and non-hazardous waste and recycling services for various industrial and commercial clientele. We supply parts washers/spray gun cleaners, recyclers, containers, roll-off bins and storage tanks for small and large volumes of waste materials.

Fleet and services include but are not limited to:

- Box truck & tractor trailer service
- Cube vans (lab packing/site services)
- Site services trucks and trailers (industrial/commercial site services)
- Hazardous & non-hazardous bulk roll-off services
- Packaged waste services (pails, drums, gaylords, skids & totes etc.)
- Waste sample analysis
- Parts washers/spray gun cleaners (solvent & aqueous) and solvent recyclers
- Bulk oil & anti-freeze collection



WHAT WE DO: LIQUID WASTE OPERATIONS –

Vacuum Truck & Bulk Transfer Services: GFL Environmental delivers integrated vacuum truck services for all of your industrial cleaning and maintenance needs. From routine waste hauling to complex jobs in hazardous work environments we have the appropriate equipment, the experience and the trained personnel to get the job done safely and efficiently. Our fleet of vacuum trucks vary in design and performance to complete an impressive range of specialized jobs 365 days a year.



Fleet includes but is not limited to:

- Vacuum truck with pup trailers (stainless & carbon)
- Hydro vacuum trucks
- Hydraulic pump truck service
- Shell and vacuum tanker services
- Wet & dry vacuum (stainless & carbon)
- FRP Fiberglass reinforced trailers



WHAT WE DO:

LIQUID WASTE OPERATIONS –

Specialized Services & Industrial Cleaning: GFL Environmental's skilled team members can handle all industrial cleaning and maintenance tasks ranging from the routine to the complex. We have a full array of specialized equipment to compliment our services. Some services include but are not limited to:

- Confined Space Entry
- High-Pressure Water/Hydro-Cleaning
- Water Jetting/Blasting
- Asbestos Removal
- Tank Cleaning
- Site Decommissioning
- Phase I, II & III Environmental Site Assessments
- Environmental Compliance Reviews & Audits
- Above/Underground Storage Tank Decommissioning
- Emergency Planning
- Environmental Remediation



WHAT WE DO:

LIQUID WASTE OPERATIONS –

Emergency Response: GFL Environmental has in-house TEAP®III verified emergency response teams with experience in mitigating most classes of hazardous materials transported via road, rail and air. Also experienced in managing emergencies on inland water bodies. Responders receive the latest training from some of the most respected institutes in North America. Customers receive technical and tactical support/leadership throughout all phases of an incident to ensure every aspect is managed, mitigated and remediated to regulatory requirements. Some services include but are not limited to:

- Chemical technicians utilized for advanced tank cleaning operations
- Advanced chemical neutralization and stoichiometry techniques
- Confined space entry and rescue
- Reactive chemical stabilization
- Marine vessel cleaning and wrapping
- Chemical experts available for client use 24/7
- ERAP Planning and writing
- Emergency Management Plans (EMP)
- Site specific threat assessments



WHAT WE DO:

SOILS DIVISION –

GFL recycles over 3 million tons of soil per year which would otherwise be destined for landfill. The recycled soil is used for a variety of construction and development projects and helps to divert reusable resources from landfills and conserve raw materials.

- Seven soil remediation facilities (North York, Toronto (East and West), Pickering, Dorchester, Moose Creek and Brighton — all across Ontario's Highway 401 corridor)
- Three clean fill sites in Ontario (Table 2:ICC or better)
- Biological treatment of impacted soils



WHAT WE DO DIFFERENTLY:

THE “GFL ADVANTAGE” –

- **One-Stop-Shop**
 - GFL can effectively fulfill all waste management and environmental needs, and are the only Canadian company able to do so. This provides a turn-key, cost-effective solution to our customers and their stakeholders.
- **Single Point-Of-Contact**
 - GFL provides an Account Representative who handles all inquiries and manages all parts of portfolio – reducing resources spent at the customer’s end.
- **Dedicated Email Address** (ie – enbridge@gflenv.com)
 - GFL provides an email address for all service requests, which filters to the appropriate division/location.
- **Emergency Response**
 - GFL has in-house 24-hour Emergency Response Teams available for all required services, providing dependable piece-of-mind.



SUSTAINABILITY VALUE INITIATIVES

ORGANICS RECYCLING

At our Calgary facility, we take organic material remove-plastic packaging so it can be recycled. The organic material is then mixed with elemental sulphur, bi-product of the oil and gas industry, to create a high-quality fertilizer used to grow new crops.

At our British Columbia facility, we create high-quality compost that is then spread onto our onsite farm to grow new, high-quality turf.

Organics recycling transforms organic waste into valuable resources and supports a circular economy approach.



GFL's BC Organic Turf Farm



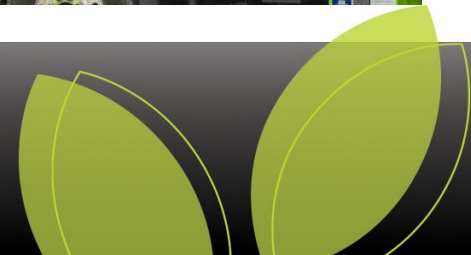
SUSTAINABILITY VALUE INITIATIVES

LANDFILL GAS TO ENERGY

Many of our landfills collect landfill gas and convert it into an alternative energy source. GFL's largest Canadian solid waste landfill by volume, our Eastern Ontario Waste Handling Facility, has a 4.2 MW landfill gas-to-energy plant designed to generate enough electricity to power 4,000 homes. Our on-site landfill gas recovery systems have collected millions of units of landfill gas, which contributed to avoiding GHG emissions. The energy produced is used to supply electricity for on-site operations, or directed to the grid for residences, commercial or industrial facilities.

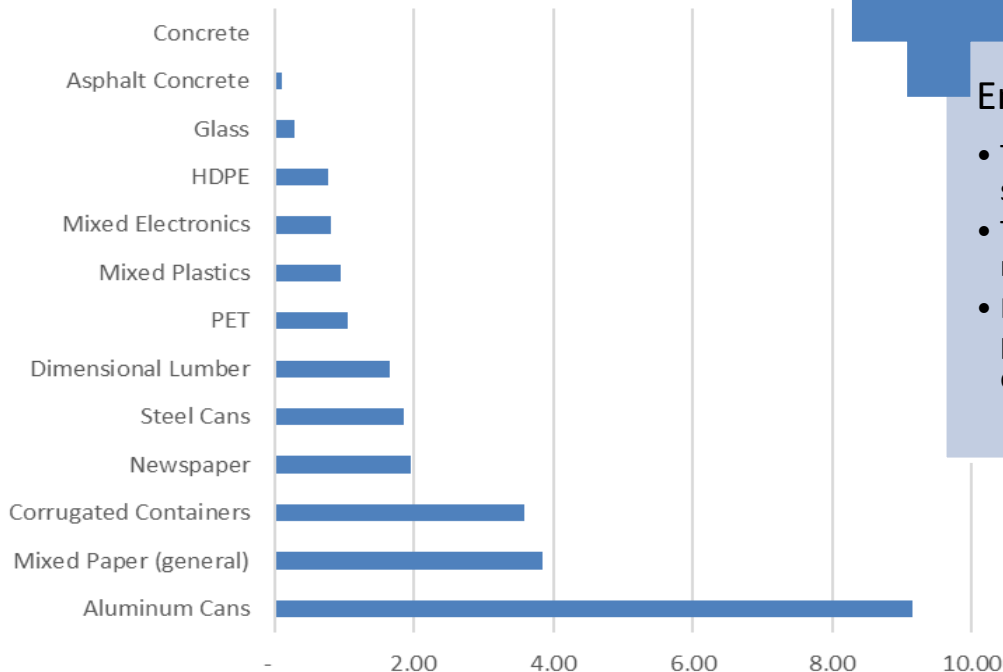
ALTERNATIVE ENERGY

GFL currently has Compressed Natural Gas (CNG) fleets across Canada and the US with over 1,000 CNG trucks, sourcing 60% of our CNG from renewable sources. CNG technology supports fleet sustainability and reduces GHG emissions by up to 25% compared to a diesel-powered vehicle.



CIRCULAR ECONOMY AND CLIMATE CHANGE

Avoided GHG Emissions by Material Type Recycled (tCO₂e/ton)



Emissions

- Transport to MRF and sorting process at MRF
- Transport of recycled materials
- Recycled manufacture process energy and non-energy

Emissions Reductions

- Transport of raw materials and products
- Virgin manufacture process energy and non-energy
- Increase in forest carbon sequestration for paper and wood
- Landfill methane

Recycling activities result in a net reduction in GHG emissions.

CIRCULAR ECONOMY AND CLIMATE CHANGE

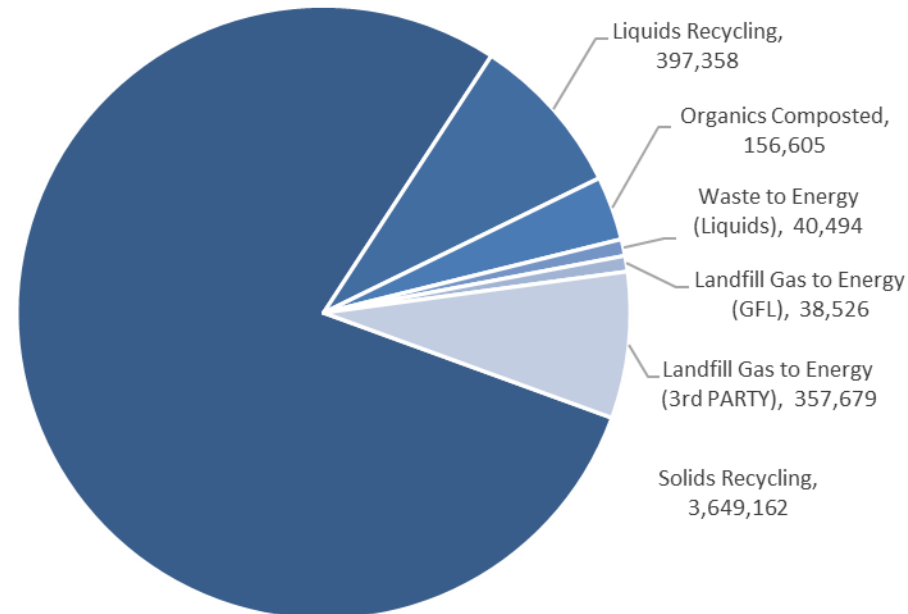
GFL's services support the shift away from linear 'make and dispose' models towards circularity.

GHG emissions are reduced by recycling materials thereby reducing primary material production and transport, avoidance of fossil fuel extraction, processing, transport, and combustion with renewable energy, such as RNG derived from organic materials, or the reduction of fossil fuel use for chemical-based fertilizers with organic fertilizers from compost and biosolids.

Recently, GFL joined the Canada Plastics Pact (CPP).



2020 GFL Avoided Emissions Summary (tCO₂e)



THANK YOU!

