GENERATE UPCYCLE

Canada Facilities

Recycling Ontario's Food Waste Into Energy

Generate Upcycle owns and operates two food waste facilities in Ontario, Canada—a pre-processing facility in Drumbo, and an anaerobic digester and biogas plant in London.

The Drumbo Resource Recovery Centre preprocesses source separated organics and packaged food waste. Once depackaged, the waste is delivered to our London, Ontario facility, which is the largest commercial food waste anaerobic digester that's producing renewable natural gas (RNG) in North America.

Together, these facilities process more than 225,000 metric tonnes (mt) of food waste, the equivalent of approximately 8,000 truckloads.

Anaerobic digestion utilizes biological processes to convert food waste into biogas, which is used to make RNG, a carbon-neutral (or negative) fuel derived from decomposing organic waste.

Our London digester and biogas plant can produce up to 832,000 Gigajoules (GJ) of renewable natural gas (RNG), the annual equivalent of heating over 9,000 homes. In addition to producing energy, anaerobic digestion results in nitrogen-rich certified organic fertilizer used on local farmland.

Waste Accepted

We recycle organic materials from every stage in a product's life cycle—from raw ingredients and process waste to finished packaged goods and product recalls.

Liquid and Solid Waste

- Fats, Oils, and Greases
- Concentrates and Flavorings
- Ingredients
- By-products

Packaged Food

- Warehoused Cased Products
- Manufacturing Line Rejects
- Grocery Store and Post-Consumer
- Buckets, Drums and Kegs
- Super Sacks, Gaylords and Reusable Totes

Unacceptable Materials

- Large bones
- Sea shells
- Glass packaging
- Corn husks

Impact

225,000 tonnes
of organic waste recycled annually

832,000 GJ/year
of RNG produced annually

Work with Generate Upcycle

1. Create solutions based on your facility or organizational needs
2. Meet organizational sustainability goals
3. Reduce waste management expenses
4. Access the largest network of organic waste facilities in North America
5. Minimize reputational risk with certified product destruction

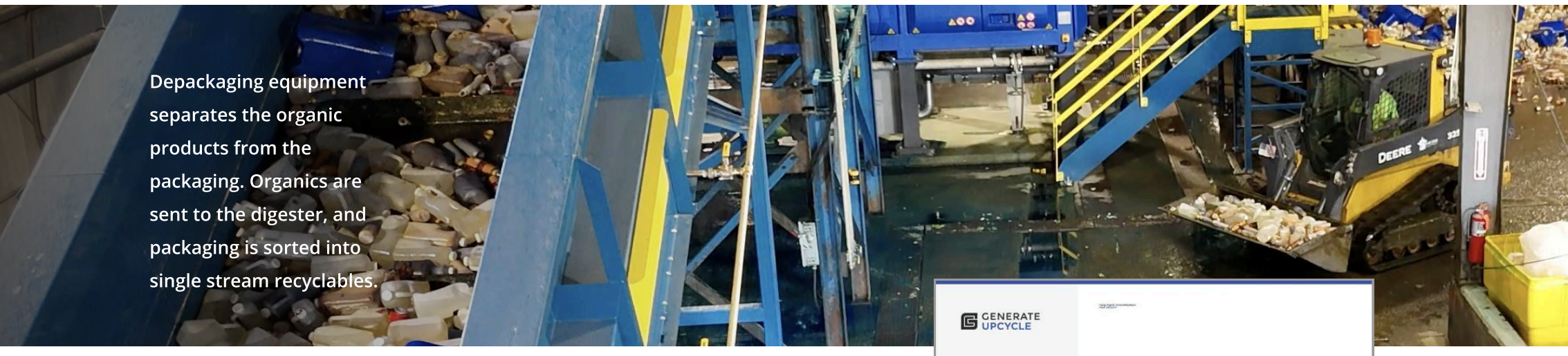
Carbon Intensity (CI) Score

Generate Upcycle uses multiple, sophisticated LCA models as appropriate at our facilities to determine the carbon intensity of the RNG we produce.

In 2025, Climate Change Canada approved our application for a negative CI score, which certifies that the fuel we produce is carbon negative.

Offset **Credits**

Generate Upcycle participates in the compliance markets as a registered low-carbon fuel producer with the Clean Fuel Regulations (CFR) in Canada.



Depackaging equipment separates the organic products from the packaging. Organics are sent to the digester, and packaging is sorted into single stream recyclables.

Providing **certified product destruction** and sustainability impact statements

We provide customers with monthly statements assuring product destruction and verifiable sustainability impacts:

- Greenhouse gas (GHG) reduction reports
- Waste-to-landfill diversion statements
- Certificates of destruction.

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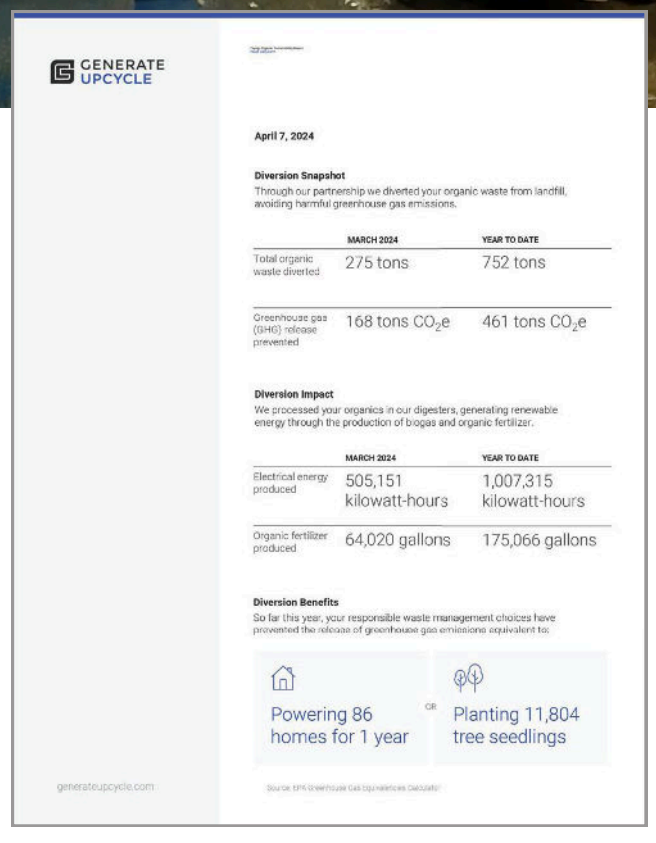

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April 7, 2024

Diversion Snapshot
Through our partnership we diverted your organic waste from landfill, avoiding harmful greenhouse gas emissions.

	MARCH 2024	YEAR TO DATE
Total organic waste diverted	275 tons	752 tons
Greenhouse gas (GHG) release prevented	168 tons CO_2e	461 tons CO_2e

Diversion Impact
We processed your organics in our digesters, generating renewable energy through the production of biogas and organic fertilizer.

	MARCH 2024	YEAR TO DATE
Electrical energy produced	505,151 kilowatt-hours	1,007,315 kilowatt-hours
Organic fertilizer produced	64,020 gallons	175,066 gallons

Diversion Benefits
So far this year, your responsible waste management choices have prevented the release of greenhouse gas emissions equivalent to:

Powering 86 homes for 1 year OR Planting 11,804 tree seedlings

generateupcycle.com

GENERATE UPCYCLE

Rethink Waste. Create Value.

Learn more about our facilities at **generateupcycle.com**