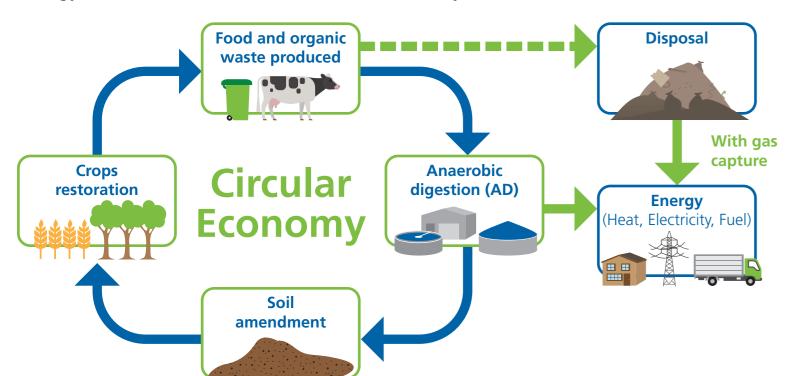
# Facts About the Biogas Industry in Canada

The biogas industry is helping to close the loop in Canada by breaking down organic wastes in the absense of oxygen and converting them to low-carbon energy and soil amendment to fuel our economy.



#### **DID YOU KNOW...**

## Canada generates 18.4 million tonnes

of organic waste annually, with only

being diverted

through compost and anaerobic digestion facilities. Landfilled organic materials emit methane –

25x more harmful than CO<sub>2</sub>

There is potential to reduce GHG emissions

in Canada by over 13 Mt of eCO,

(equivalent to taking 2.6 million

by processing manure and crop

residuals in AD facilities

cars off the road)



could reduce emissions by 2.8 Mt of eCO, (equivalent to taking 560,000 cars off the road)











### **SOURCE SEPARATED ORGANICS**



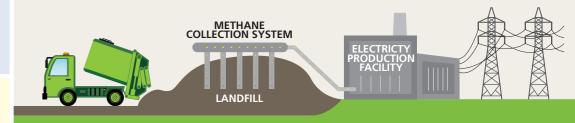
Canada generates 6 million tonnes of food waste annually, equivalent to the weight of nearly 50 CN towers.

### LANDFILL GAS CAPTURE

The over 1,500 active landfill sites across Canada, generate approximately 30 MT of eCO<sub>2</sub>.



In Canada, there are over 100 landfill sites have gas capture systems in place, 50 of which produce energy.



There is a significant opportunity to mitigate emissions by diverting organic waste and increasing the amount of large landfills with gas capture systems that are converting the gas to energy.





www.biogasassocation.ca

Data in this report is adapted from various national and provincial published reports



Currently there are over 50 on-farm AD facilities across Canada.

This represents a significant opportunity to: Diversify farm Increase crop yields Reduce GHG emissions revenue and reduce pathogens in manure

