



CORNERSTONE
RENEWABLES



Providing a sustainable
solution for your
organic waste

CORNERSTONE RENEWABLES



WHO ARE WE?

We supply Anaerobic Digesting across Ontario
with Organics for processing



Anaerobic Digestion breaks down organic waste into usable energy, Biogas, which we use to make green renewable Heat and Electricity and a nutrient rich fertilizer.

Within Cornerstone our vast experience and strong knowledge base is available to you. We are a hands on group, that is owned by 2 beef farmers, 6 dairy farmers, a green house operator, an Ag entrepreneur and a research site at the University of Guelph.

Cornerstone prides itself on our excellent service, our flexibility, our capacity and our ability to offer our clients safe and sustainable solutions.

In addition to the manure from the more than 10,000 cattle we manage on our farms, Cornerstone currently processes approximately 120,000 tonnes per year of organic waste. With the capacity to process 220,000 tonnes per year. Our systems are capable of producing 173 Megawatts of electricity, 200 Megawatts of heat every day, and 100,000 tonnes of feed per year from the fertilizer we produce. At capacity our combined efforts will reduce CO₂ emissions in the atmosphere by **400,000 tonnes per year, which is equal to 78,500 cars per year.**

Cornerstone's Mission:

To Provide Sustainable Green Solutions, Together!!!

WHERE ARE WE?



We have locations across Ontario to service you. Our complete organic waste management service will manage the organics from your door onward. This service offers your business an alternative that is environmentally beneficial, risk reduced and reliable, leaving you time to focus on your core business.

Ben Gardiner Farms Kirkton, ON

Woolwich Bio-En Elmira, ON

Koskamp Family Farms Stratford, ON

Birch Lawn Farms Atwood, ON

Seacliff Energy Ltd. Leamington, ON

Athlone Farms Tavistock, ON

Marl Creek Elmira, ON

Greenholm Power Ltd Embro, ON

Clovermead Farms Ltd. Alma, ON

Ridgeline Farms Stirling, ON

University of Guelph Ridgetown, ON

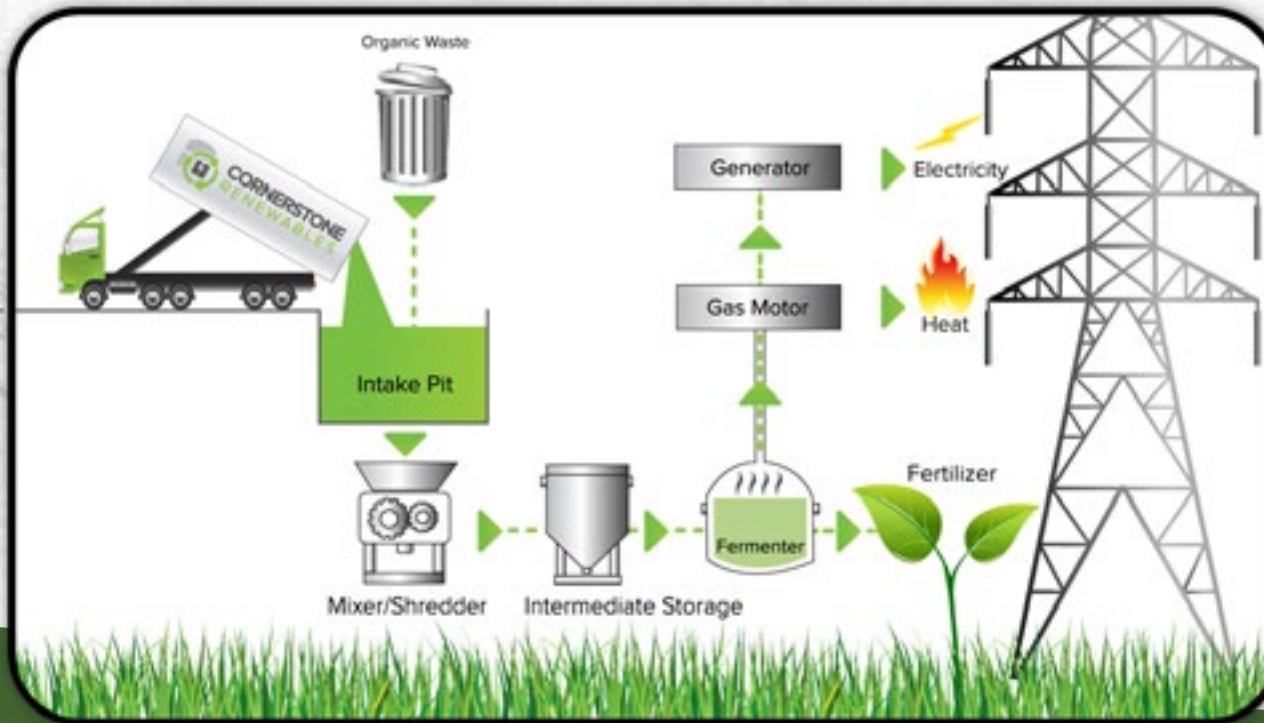
We can manage your waste
from your door to ours



More locations to come

THE NEW ENERGY PLANT

Anaerobic Digestion



STAGE 1

Receiving organics and manure and mixes them together.

STAGE 2

Heated and stirred the mixture is processed for 30 to 90 days in an oxygen free environment.

STAGE 3

Bacteria from the manure, digests the material and releases Biogas.

STAGE 4

The Biogas is collected, cooled and cleaned before being used to run a generator which produces electricity and heat.

STAGE 5

The digestate material is stored and used as fertilizer to grow crops.

The process kills pathogens, removes odours, and captures greenhouse gases from the input material.

HOW CAN WE HELP YOU?

Cornerstone will arrange to collect, haul and process your organics at our sites. We will be cost competitive compared to the alternatives, including landfill, land application, composting or animal feed. You will receive quantitative updates outlining your improved process sustainability by choosing to digest your organics and convert them into renewable energy.

We provide risk management and peace of mind knowing that your organic waste will be converted into electricity, heat, and nutrient dense fertilizer that is weed seed free and pathogen free. We will serve you with our experienced operators that maintain a high level of quality customer service and extensive collective knowledge.



We work
with **YOU**
to provide a
sustainable
solution
for **YOUR**
organic
waste

We can process your:

- solids or liquids
- Food Processing waste
- oils and greases
- Dissolved Air Floatation
- Trap Material
- Post consumer waste
- Source Separated Organics
- Industrial/Consumer and Institutional waste.



We can receive your organic waste by bulk loads, totes, roll offs, bins, tubs etc.

GREEN FACTS



The Average Cow Produces 40kg of Manure Per Day, which is able to create 2 kWh of Electricity.

Anaerobic Digestion reduces our farms environmental footprint by 30%. We are able to produce food, sustainably for the long term by creating electricity, heat, fertilizer and animal bedding from the system.



Organic Waste accounts for 50% of the waste generated in Ontario. That is 3,000,000 tonnes or 300,000 full garbage trucks per year.



Diverting all of Canada's organic waste from landfill to anaerobic digesters would result in a 37 megaton reduction of CO₂ in the atmosphere per year.



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519.317.6756

www.cornerstonerenewables.ca