



AIC PRESENTATION

GREENFIELD

A Case Study in the New Circular Economy

Sustainability:

- **Economic, plus**
- **Environmental, plus**
- **Social**

From Waste to Resource, The Circular Economy

Photosynthesis uses Solar Energy to convert atmospheric carbon dioxide into the stored carbon energy of all green living things, plus oxygen.

What is driving Climate Change?

We are extracting fossilized carbon from below ground, oxidizing it and pouring megatonnes of carbon dioxide into the atmosphere every day.

This is unsustainable.



With biofuel, we cycle “above ground” carbon endlessly, from the atmosphere, into plants, fermented into fuels, which are oxidized back into the atmosphere as carbon dioxide.

Repeat as often as needed.



FROM:

Below Ground

Petro

Oil & Gas & Coal

Waste

TO:

Above Ground

Bio

Agriculture & Forestry

Resource



Who is GreenField Specialty Alcohols Inc.?



In Canada:

#1 Producer of ethanol

In North America:

20% Market share of Pharmaceutical Grade Alcohol

Globally:

Major supplier of industrial alcohol to over 60 countries



In Ontario & Quebec we are:

#1 Purchaser of Corn

#1 Supplier of DDGS

#6 Consumer of Natural Gas



**We are a large GHG emitter captured under
Cap & Trade in Ontario & Quebec.**

**So what's a nice bio-based company doing
paying for fossilized carbon?**



**We deliberately decided
to look for opportunities to
offset our new
Cap & Trade costs**



3 Quick Examples of what we are doing as Company:



SEMECS joint venture in Varennes, Quebec

**Collaboration with Truly Green in Chatham,
Ontario**

**Exciting new research breakthroughs, TSE >
AD2 > GTL > Drop in Jet Fuel**



Takeaways:

Humanity is fighting against Mother Nature and she will win, she always does.

The world needs above ground carbon, to break our addiction to below ground carbon.

You are the stewards of the organic carbon cycle. We need you more than ever.

