



U.S. Sustainable Energy Corp.

Who are we?

U.S. Sustainable Energy Corp. (USSEC) is a newly formed Mississippi based corporation with the exclusive license rights (patent pending) to produce organic fertilizer and the next generation of **Green Power, possibly the ultimate Biofuel, derived from whole soybean or corn or a combination of both.**

We are an environmentally friendly fertilizer manufacturer that reaps financial benefits from both our Primary Product and our 100% Bio-based Waste Byproducts.



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Company Business Model

After years of research and development and deployment in the recycling and energy sectors of the world economy , USSEC has carefully structured its critical path of a successful Business Model under the following criteria:

1) Identify Markets

- (1) Organic Fertilizer**
- (2) Biofuel Liquid**
- (3) Bio-Gas**
- (4) Green Power**

2) Establish an Earth Friendly process possibly establishing the process environmental performance as a new standard with the opportunity for a possible competitive advantage.

- a) We selected as a base product Organic Fertilizer and captured it by providing a superior product to Agriculture with economic benefit. This has the potential to complete a closed loop competitive advantage.**
- b) Using Organic Fertilizer as our primary product, we have two waste bi-products marketable as products under RECRA, Executive Orders, Mandates, and Incentives. Biofuel, Biogas and Green Power**

3) The Products

- a) Organic Fertilizer-(made from raw soybeans)**
- b) Biofuel Liquid-(derived from soybean waste from Fertilizer manufacturing)**
- c) Biogas-(derived from soybean waste from Fertilizer manufacturing)**

Biofuel and Biogas are **Green Power unlike anything
Seen by the World to Date.**



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Primary Product and Why Selected

By Governmental definition USSEC is allowed to claim the process creates Biofuel from Biomass waste byproducts derived from the organic fertilizer process from raw soy beans.

PRIMARY PRODUCT

DESCRIPTION:

Soybean based 7.3.7. Organic fertilizer

FEED STOCK:

Raw soybean and corn

MARKET

The Agriculture Industry needs and wants organic fertilizer to maximize their crop yields thus profits. Farmers using USSEC fertilizer will be paid a \$0.25 - \$0.50 per bushel premium for producing soy and corn with our fertilizer making them our two way partners.

WASTE BYPRODUCT:

Black carbon and water laden oil (Recycled into Biofuel)

Biogas



Marketability of Product

Primary Product

Organic Fertilizer from soybeans replaces chemical fertilizer and is preferred by all, Organic is more expensive and USSEC will pay the farmer a premium thus increasing their profit \$0.25 Plus per Bushel by using our organic fertilizer to produce feedstock for our process .

Bio-Based Bi-Products Create Unique Biofuel

Why is our product unique?

USSEC Product is unlike any “green” fuel. It is not:

Gasoline

Diesel

Bio diesel

Ethanol

This unblended product can be used in either gasoline or diesel engines using various formulations of the same Unique Biofuel Matrix (patent pending).

What are our differentiating factors? ?

What are the characteristics of Bi ofuel vs. Biodiesel?

Gallons per Bushel	5	1.5
Degrades Performance	No	Yes
Use in Gasoline Engines	Yes	No
Needs Gov. Rebate for Profit	No	Yes
Production Time	8.5 Minutes	24 Hours plus

This unblended product can be used for a multitude of applications. As a side benefit there is a “Bio Gas” produced during the process and the ash byproduct is sold for use as a fertilizer.



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Number of Bushels to Produce 1,000,000 gallons of Fuel

Biofuel = 200,000

Biodiesel = 666,000.67

Revenue Generated from 1,000,000 Bushels at \$2.50 Gallon

Biofuel = \$12,500,000.00

Biodiesel = \$3,750,000.00

Simple Cost Factors

Soybeans Cost = \$6.00 a Bushel

USSEC makes 5 gallons of liquid Biofuel from 1 bushel.

Equation: \$6.00 Divided by 5 Gallons = \$1.20*

Reference: University of Missouri

<http://muextension.missouri.edu/explore/agguides/agengin/g01990.htm>

1 gallon of soybean oil weighs 7.6 pounds.

Equation: 7.6 Times \$0.29 = \$2.20 + \$0.50 Catalyst = \$2.74 Biodiesel**

***With the sale of our fertilizer and gas, our cost is less than \$0.50 a gallon. Fossil fuels cannot compete.**

**** Without the government rebate, biodiesel cannot compete with fossil fuels.**

Marketability of Recycled Products

Fertilizer



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Captive Market from the farmers we buy soy beans and corn from. We pay them a premium to use our fertilizer.



Biofuel



We have all ready demonstrated the marketability as a fuel. The only challenge is acceptability for use in all motors certified for biodiesel or regular fossil fuel diesel.



Solution



USSEC blended 50/50 biodiesel from West Central and our biofuel creating a 100% biofuel which when tested at Summit Labs exceeded all b100 standards



Still not good enough?

USSEC can use all our liquid and gas fuels to create **GREEN POWER** which we have guaranteed sales to the U. S. Air Force as one of many government entities buying green power see attached and RCRA, Executive order 13101

Selling **Green Power** USSEC makes more Profit than from selling a biodiesel blend!

USSEC Green Power is derived 100% from recycled biomass



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Challenges of Marketing Products

N O N E

Incentives & Qualification For Same

- 1 \$1.00 incentive from federal government (Biodiesel)
- 2 \$0.20 incentive from State of Mississippi (Biodiesel)
- 3 Green Tags (Green Power)
- 4 Nox credits (Green Power)
- 5 White Tags (Green Power)
- 6 Carbon Credits (Green Power)

Competition

None TODAY that could compete in cost or quality



Market Conditions That Could Effect Us

When technology is developed to directly harvest energy from the Sun in a cost effective manner, to transport our goods and power our cities .

It is important to note that Commodity Pricing, Oil and Electric Pricing has no material impact on USSEC profitability!



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Growth

The need for **Green Energy Independence** is a global fact as demonstrated by the Kyoto Treaty. Third world countries national debt is largely attributed to fuel and energy. The Incentives in Kyoto Countries are 3 to 5 times greater than in the USA. Our growth potential is only limited by our ability to protect our technology.

The well respected law firm - Finnegan, Henderson, Farabow, Garrett, and Dunner, LLP - has filed for our patents.

The Green Solution

U.S. Sustainable Energy Corp.

**Changing World Energy
One Crop at a Time**

www.ussec.us

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