



Local waste is a source of energy.



Our patent-pending system links proven technologies to create a zero-waste process.



One by-product of our process creates nutrient rich soil.



OWCE provides sustainable community energy solutions.



ONE WORLD  
cleanenergy

# The Energy Revolution is Coming

**1 - World**  
**4 - Renewable Energy Sources**  
**0 - Waste**

1.4.0 represents renewable, dependable and sustainable energy for the next generation. The combination provided by the synergies 1.4.0 can substantially minimize our need for foreign oil and reduce the burning of coal, a major contributor to carbon dioxide emissions. The One World Clean Energy solution is a patent-pending sustainable energy process that creates on-demand power 24 hours a day, 7 days a week—all with zero waste.

One World Clean Energy™ is a twenty-first century company that provides smart, community-based energy solutions by combining proven technology with innovative processes. Key system inputs are salvaged from the landfill or produced locally then converted into four renewable energy sources. During the three-phase process, waste from one system is used as the feedstock for another, so the company is able to improve economic efficiency by 40 percent, as compared to current bio-fuel generation plants.

Economically smart, environmentally beneficial, and socially responsible—One World Clean Energy™ provides local power with its emissions-free, waste-free solution. In essence...

1 World. 4 Energy Sources. 0 Waste.

## FOUR Renewable Energy Sources

The patent-pending One World Clean Energy™ system produces Bio-gas, Electricity, Bio-Diesel, and Ethanol.

**Bio-Gas:** As a part of this patent pending production process, organic waste is decomposed under controlled conditions. This anaerobic digestion process releases methane gas. Excess pipeline-grade methane gas, or “Bio-gas”, is used to power plant operations first, then additional gas is sold to the local community. (Contracting the sale of Bio-gas alone financially covers the plant’s operational expenses.)

**Electricity:** Electricity will be produced on-demand, 24 hours per day, 7 days a week and sold on the open grid system. The methane gas needed for Electricity production will be sparked in a combustion gas turbine generator which will produce coolant heat (250 degrees F), exhaust heat (1000 degrees F), and electricity at the rate of 10 Mega-Watts per hour. Additional turbines may be added to this combined heat and power process to produce up to 100 Mega-Watts per hour.



**Bio-Diesel:** Bio-diesel will be sold to local petro-diesel distributors or large consumers to the scope of 10 million gallons per year. The methane gas combustion process will produce steam heat to be used in Bio-diesel production. Feedstocks used to create the Bio-diesel may be collected from local vegetable oils, animal fats and waste grease. This process produces one gallon of Bio-diesel for every one gallon of oil feedstock.

**Ethanol:** The age-old process that One World Clean Energy™ will use to produce ethanol involves cultivating yeasts with starch-based feedstock, cellulose containing sugar and/or grain mash. The mash is slurred (cooked) to assure starch gelatinization, then fermented and finally distilled into ethyl alcohol. The resulting Ethanol will be sold to distributors for blending with gasoline.

### ZERO Waste

One World Clean Energy™ provides local energy with no waste and near-zero emissions. Virtually all process by-products are utilized by other processes or are able to be sold on the open market.

Production Product/Process	Production By-Product	Re-Use of By-Product
Electricity / Combustion Turbines	Heat	Captured to power production of Bio-diesel and Bio-gas
Bio-Diesel	Glycerin	Reused in the anaerobic digester or sold for soap making
Anaerobic digestion	Nutrient Rich Top-Soil	Provided to local farms and nurseries to promote healthy crops
Anaerobic digestion	Gray Water	Used in water-intensive Ethanol fermentation process—saving potable water that is usually supplied by a local municipality
Ethanol Production	Carbon Dioxide	Used for local soft drink providers
Fermentation for Ethanol	Whole Stillage	Recycled for use as a feedstock into the anaerobic digester to produce Bio-Gas



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