



Green Energy Enterprises, LLC



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Pyrolyzer™ System

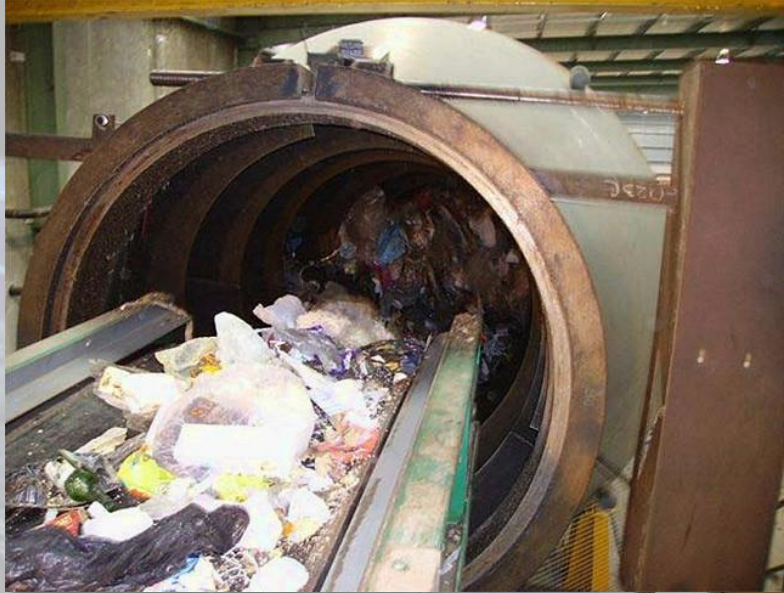
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General Information

- **Patented pyrolysis gasification system**
- **Multiple feedstock options /multiple revenue streams**
- **24/7 operation**
- **Very low emissions**
- **Meets California standards**
- **Performance Bond Guarantee**



Localized Feedstock



**25, 37.5, 75
and 150 ton
per day units**



**Very small footprint.
Ideal for urban areas.**



System Value Proposition

Delivers solid economic options via local feedstock options.

Feedstock may be any carbon based materials: Wood, MSW, Biomass, Tires, Plastic, Auto Shredder Residue, E-Waste, etc.

U.S. opportunities vary by region.



Lowest Internal Use Load

**The System uses
only 18 – 22% of its
Pyrogas to maintain
Pyrolysis reaction
depending on the
energy content of the
processed feedstock.**



Revenue Streams - Part 1

Core deliverable is Pyrogas™, a clean synthetic gas created in our pyrolysis process. The gas may be used to create electricity, steam, liquid fuels, individual component gas sales, or Pyrogas as a natural gas substitute.

Renewable energy credits vary by state.

Pyrogas has been accepted by Siemens and others for direct injection into their turbo machinery with full warranty.



Revenue Streams - Part 2

Feedstock	Revenue Producers
MSW	Pyrogas, tipping fees, metals
Tires	Pyrogas, tipping fees, carbon black, steel
Biomass	Pyrogas, biochar, charcoal, liquid fuels.
Wood	Pyrogas, liquid fuels, biochar & charcoal
Plastic	Pyrogas, synthetic coke
E-Waste	Pyrogas, precious metals
Emission sales	Extremely attractive to greenhouses

Electric and tipping fees can vary greatly by area.



System Cost

\$3-4M per Mw, depending on building requirements, grid connection, etc.

Income Examples:

.03Kwh = \$750K

.13Kwh = \$3.2M

Tipping fees – Example: 65 tons of MSW required for a 37.5TPD system

\$30 per ton = \$670K

\$90 per ton = \$2M



Summary



PyrolyzerTM System

- **Highest efficiency**
- **Proven technology**
- **Vetted**
- **Greatest flexibility**
- **Grid friendly**
- **Performance Bond Guarantee**



We Can Help...



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