

Terra Green Energy, LLC

Torrified Biomass —“Green Coal”

Renewable Energy Coal Substitute



- Sustainable
- Renewable
- Carbon Neutral

What is it?

Torrified biomass has undergone a thermochemical treatment in which it is roasted via a light pyrolysis process, removing most moisture and volatile compounds leaving a final product which is solid with many of the same characteristics as coal. The torrefied product contains 70% of its mass AND 90% its initial energy content.



Superior fuel properties:

Friable, Good Grindability

10,000-11,000 BTU/LB

Hydrophobic

Lower SO_x & NO_x emissions

Higher Energy Density

Can be Fed with Coal

Higher Co-firing Capacity & Flexibility

Excellent Transport, handling, storage

Superior Milling, feeding

Excellent Combustion, Low Volatility

No Heavy Metals Emissions (i.e. mercury)

Cleaner Burning

No Separate Feedstock System Needed

Very Low Ash Content

Why include Torrefied Biomass in your fuel mix?

**Reduce Emissions with
No Capital Investment!**



Has a high energy density approaching that of coal (10,000 to 11,000 Btu per pound)

Has a high bulk density and is therefore efficiently transported (800 to 850 Kg/m²)

Easily ground for pulverized boilers or can be briquetted for use in moving grate boilers

Very low sulfur content (approximately 0.1%) hydrophobic so it can be stored outdoors, just like coal

Is a homogeneous, high quality, low volatility fuel

Is carbon neutral

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