



# TorrB<sup>®</sup> Biocoal Technology & Licensing Overview

*Lowest Cost, Highest Quality Biocoal*

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[HM3Energy.com](http://HM3Energy.com)

SHORT INTRO  
VIDEO

# Summary: TorrB® Biocoal Technology Advantages

## For the Licensee

- Most economical biocoal technology on the market
- Torrefier with one simple moving part that evenly roasts the feedstock
- 200 hp motor briquetter with die temperature control system for uniform product
- Post densification system that ensures sturdy, water resistant biocoal production
- No binders necessary to prevent plugging or make biocoal water resistant
- Uses forest slash and mill residue, not just clean wood chips, as process feedstock
- No need for pile burning after harvesting or thinning
- Manufacturing costs that may be more than 10% below that of other biocoal technologies

## For the Coal Plant

- Uses existing pulverizer – no material modifications needed for coal plant to start using
- Water resistant, so can be stored outdoors, just like coal
- Extends the life of an existing coal-fired plant
- Cheaper for existing coal plants to use than burning hog fuel or wood chips/pellets
- Has same power production rate as coal (White pellets and raw wood in any form substantially reduce power production.)
- Mixes with coal at any proportion up to 100%
- Carbon neutral and less than 50% NOx emissions in comparison to coal
- Essentially no sulfur or mercury in ash and exhaust gases upon combustion

## For the Environment and Community

- Helps reduce wildfire risk by providing a market for forest slash resulting from forest restoration operations
- Economically benefits rural areas through creation of forestry and plant operation jobs
- Helps reduce introduction of CO2 and smoke particulate into atmosphere where forest slash is currently disposed of through burning operations