



# ENERGY & ALTERNATIVE FUELS

Experience and Innovation Working for You

1658 Malvern Ave.  
Hot Springs, AR 71901  
501-321-2276

200 Mackenan Dr.  
Cary, NC 27511  
919-481-1084

303 Main St.  
Orono, ME 04474  
207-889-5200

[www.msco.com](http://www.msco.com)



Any organic matter available on a renewable basis is considered biomass fuel. These fuels include dedicated energy crops and trees, agricultural plants, food and their residues, wood and wood wastes as well as numerous other wastes.

Alternative fuels include landfill methane, digester gas, distillation gas, waste water treatment processes and coal bed methane among others.

Renewable energy includes hydro-electric, solar thermal PV, & Wind.

We possess the knowledge and understanding of how to turn biomass into energy and we have the design capabilities to turn concepts into reality.

We have provided engineering solutions for Biomass Burners at some of the largest industrial plants in North America; from the feedstock handling to the final emission controls, let us utilize our abilities to help you solve your energy needs.



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## Partial Client List

Alcoa  
AP&L (Entergy)  
Drax Biomass  
Enviva, LP  
Fiber Resources  
Forest Energy  
Fortra Fiber Cement  
Furture Fuels  
Gaylord Container Co  
Green Circle Bio Energy  
KiOR  
Protocol  
Zilkha

Our engineers have experience with commercial and industrial boilers using a wide range of fuels: biomass, liquor, natural gas, compressed natural gas, oil, and alternative fuels. Modeling of existing and proposed energy facilities is a specialty service provided by Mid-South. Our in-house models are used to evaluate fuel types, costs of high pressure steam and extraction steam and cost of electricity. We also evaluate project economic feasibility and identify opportunities for upgrading or re-fueling plants.

The staff at Mid-South has extensive experience inspecting the condition of hydroelectric station structures and systems, and performing major maintenance and capital project engineering for hydro-electric facilities.

- Waste Wood & Wood Chips
- Wood Pellets (White, Black & Torrefied)
- Briquettes
- Renewable Energy (Hydro-Electric, Solar Thermal, PV & Wind)
- Power Transmission
- Natural Gas
- Bio-Diesel
- Gasification