







WHAT IS THE VALUE OF WOOD FOR BOILERS?

■ If natural gas costs \$10 per million BTU, green wood with 50% moisture content is worth \$57.30 / ton for the same heating value and 20% moisture content wood is worth \$106.00 / ton. The average cost for wood fuel is averaging around \$25.00 / ton so as you can figure wood fuel would be \$2.50 per million BTU.



SUITABLE FUEL COST

■ Wood fuel has many characteristics such as size, moisture, and free of dirt which are all important. Sized right so that it goes through the equipment and into the boiler. Moisture is the most important as you do not want to truck water down the road and it robs your boiler of its efficiency and lastly dirt as it has no btu's and can reduce your boiler life and increase operating costs. Cleaner the fuel the less problems with meeting emission standards.

PROBLEMATIC

With 50%
moisture in your
fuel every other
load is water.
Basically most
boilers like 40% or
less moisture.
Efforts have to be
made to acquire as
dry as possible.



COST OF TRANSPORTATION

■ Transportation costs will typically be the highest cost factor for energy in wood. Wood is a low energy density fuel so it cannot be transported long distances or the transportation cost will exceed the wood value. The closer to your source of fuel the more efficient your project will be.

Emissions

• Knowing and responding to your local, state, and federal standards are important. Also fuel void of impurities make this much simpler. Teeming up with a good EPA professional is probably the best way to approach this.























