

CHIPTEC®

WOOD ENERGY SYSTEMS

GREEN MOUNTAIN COLLEGE VOTED GREENEST COLLEGE IN AMERICA



For the second year in a row Sierra Club has ranked Green Mountain College, located in Putney VT, at the top of the list of “America’s 100 Greenest Schools”. Green Mountain College was ranked No. 1 in 2010 and ranked No. 2 in 2011. The honor of being the country’s greenest college was due in part to their initiatives and efforts in attaining college energy sustainability. Green Mountain College chose CHIPTEC Wood Energy Systems, of Williston VT, to supply a state of the art biomass gasification system to replace their dependence and consumption of #6 fuel oil with wood chips, an eco-friendly renewable energy source. By use of CHIPTEC’s patented gasification technology, Green Mountain College has not only been able to diminish their carbon footprint and foster long-term sustainability but also significantly reduce and fix annual energy operating costs.

Project Facts

- Plant went online in spring 2010
- Boiler output:400hp
- Will burn an estimated 4,000 - 5,000 tons of locally sourced woodchips annually, shifting 85 percent of current fuel oil usage to biomass.
- 85% reduction in in #6 fuel oil annually (190,000 gallons)
- CO2 reduction: 2,844 plus metric tons per year. 40% reduction in carbon foot print
- Electricity produced: 15-20% of the campuses need (400,000 kilowatt-hours of electric per year)
- CO emissions: 8 ppm average @12%CO2 (via EPA test method 10)
- Particulate emissions: 0.009 lbs/MMBTU, average (via EPA test method 5)



For more information on how CHIPTEC Wood Energy Systems can fix and reduce your long term operating cost, contact us at 802-658-0956 or visit us on the web at www.chiptec.com



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