

# VERMONT PSYCHIATRIC CARE HOSPITAL



## New construction

- Project completion:  
April 2014
- Hot water Boiler size:  
2mmbtu/hr. output
- Project cost:  
\$595,000
- Average annual  
operating cost:  
\$20,000

The Vermont Psychiatric Care Hospital (VPCH) is dedicated to improving the health and well-being of one of Vermont's most vulnerable adult populations. Offering a state-of-the-art facility designed to promote and enhance patient recovery, the 25-bed, acute care hospital offers patient areas designed for comfort and safety. Some of the features of the hospital include well designed yards, half basketball court, planting beds, jogging track, labyrinth, and other unique landscaping details. Some interior aesthetics include a library, a greenhouse, a large activity room, and a fitness room.

The Messersmith Biomass Boiler is a 30psi hot water unit. The hospital chose to use the best available technology for removing particulate from the combustion gases before they exit the stack to the atmosphere. An electrostatic precipitator removes 98 percent of particulate matter from the stack gas.

For the first two winters, VPCH averaged 368 tons of chips burned per year. The chips are delivered via live bed trailer, and off loaded into the wood chip bunker that can store about 50 tons of chips on site.

VPCH is currently heating a 48,000 sq/ft building with another 1,500 sq/ft of radiant side walk for an average of just under \$20,000 per year for the first two years.

**Maintenance Specialist, Adam Parry states, "I could not be happier with the performance of all the components of this Biomass System. The system runs itself with only preventative maintenance and greasing required. Customer service has been fantastic with the few minor issues we've had".**

Congratulations to the staff of Vermont Psychiatric Care Hospital as they use this new facility to enhance patient care.

