

### **Physical Building Attributes to save Energy and Reduce Greenhouse Gas**

All exterior walls are sealed and insulated with the best insulation on the market– 6 inches of foam. This gives a rating 14 times the insulation of fiberglass in a standard wall.

All non-historical windows are thermo pane. Historical windows are equipped with the traditional storm windows.

House hot water is provided with two large on-demand hot water heaters connected in series for an inexhaustible supply. This is an excellent blend of comfort and environmental responsibility.

House heat is provided with a heater called a ""Munchkin". Its a remarkable device that delivers hot water at 95% efficiency. The heater is connected to a state-of-the-art distribution system with 8 individual thermostat controlled heat zones. The house is heated with classic radiators, which are great, or in-floor heat for comfort and lowest energy use.

With a sealed building, air quality is very important. For us, it's maintained with two state-of-the-art air exchange units that replace the interior air with outside air. The entire house is exchanged about every hour. This is done for maximum health and comfort. The air exiting is passed across heat exchangers to warm or cool the incoming air for about 90% efficiency. The system assures you will breathe clean and healthy "Montana Air" all the time...it just doesn't get any better.

Many outside and interior lights are on timers and high efficiency dimmers for energy conservation. Fluorescent and LED bulbs are used where appropriate in the inside and outside lighting.

We love giving tours of this equipment and process. If you are interested just let us know.