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Solar Powered Sand Beds And Other Heat Transfer Sources

This project provides homeowners as well as contractors with an easy to use Excel Spreadsheet that will effortlessly provide the square footage of solar panels needed to heat a home of a specific square footage. I have built a solar sand bed and a solar collector and discovered a relationship among the square footage of the solar collector and the amount of heat that is captured in the sand bed. All that is needed to put this formula to good use is a person's square footage of their home and with the touch of a button the amount of square feet of solar panel needed to successfully heat a home magically appears. The average home of 1500 square feet takes approximately 75 therms to heat the home, and about a 29 square foot solar panel to ensure that the home is properly tempered. Solar energy is entirely ideal for running a home if we could only design a way to harness energy for an entire year. The best part about solar energy is that it is entirely cost free. Three to five years alone of not having a monthly heating bill can pay for solar panel installation. Solar panels usually have a life span of about 25 years so in the long run they end up being entirely cost free. Solar is ideal in the preservation of natural resources as well as the preservation of our environment.