

MYTH BUSTING

WITH GEOTHERMAL HEAT PUMPS

“ Well, you could have a geothermal heat pump, but...”

...You Need a Bunch of Land

As one old timer put it, “If you have a lawn mower, then I can put in a geo unit.” With numerous options for the underground loop systems, that’s actually true. A vertical loop is often installed under driveways or even 10’ x 10’ patches of ground. There are many other options including using an existing water well, a pond, or if in fact you have more than ½ an acre, a long horizontal ditch is a great solution. If you Google “ground heat exchanger options” you will find a variety of solutions that might work for you.

...Electric Heat Costs a Lot

Some geo systems are installed with electric strip heat for extreme cold weather. And yes, that can add to your electric bill. However, modern systems are designed to operate without backup heat down to extremely low temperatures. And if your underground system (the “loop”) is sized right, no back up heat is needed at all.

...It Isn’t Safe

Since geothermal heat pumps are 100% electrical, there is no combustion of gas or oil in the home for heating. So, there’s no chance of smelly fumes, explosions, or carbon monoxide poisoning. Because heat pumps are certified by independent laboratories, they include safety cutoff switches for every circuit in the system

...It’s Too Expensive to Install

Installing geothermal heating and cooling for your home or building is an investment, no doubt about it. Geo system owners quickly realize their systems are saving so much money they are recouping their investments in 5-7 years. With the 30% tax credit and other incentives geo can even cost less than a new boiler or HVAC system to install. When you consider the loop will outlive anyone alive today and the heat pump will deliver twice the useful life of most alternatives, that makes for a much more attractive investment.



SIMPLE FACTS

MISINFORMATION

