

Ground-Source Heat Pumps for Your Home

Why should I consider a ground-source heat pump?

Ground source (also called geothermal) heat pumps can offer your home or business a variety of benefits:



Energy bill savings. If you heat with oil, propane, or electric resistance, geothermal heat pumps can save you hundreds to thousands of dollars a year on your heating bill.



The most efficient heating and cooling. Geothermal heat pumps are the most efficient central heating and cooling technology available, able to provide three or four (or more) units of heat for every unit of electricity used.



The cleanest, greenest all-in-one system. Geothermal heat pumps are the most environmentally-friendly option available to you, capable of meeting your home's heating and cooling needs—and some hot water too! Pair your system with solar and go entirely green!



Go completely fossil fuel-free. Eliminate fossil fuel combustion (and the threat from carbon monoxide) entirely in your home with the cleanest heating and cooling technology available.

Geothermal heat pumps are the *cleaner, greener alternative* to fossil fuel heating—an alternative that also provides high-efficiency air conditioning at the same time!

How does geothermal work?

Heat pumps move heat in and out of a building to provide both heating and cooling.

A geothermal heat pump absorbs the abundant, renewable heat in the ground to heat your building and transfers heat back into the ground in the summer to provide cooling.

A geothermal system can serve as your all-in-one, central heating and cooling system—no backups required.



Is a ground source heat pump right for me?

Read through some of the questions below: if you answer "Yes" to any of these, go to <http://www.masscec.com/learn-about-ground-source-heat-pumps> to learn more and access a list of installers in your area.



Do you heat with oil, propane, or electric resistance and want to save on your energy bill? Switching to geothermal could save you hundreds to thousands of dollars a year on your home heating bill.

Is your home heating or cooling system approaching the end of its life? Geothermal offers a complete green heating and cooling system replacement for your home. If you're ready to move on from a 15+ year-old furnace or central AC system, think about retiring your existing system early and consider geothermal as an all-in-one option.



Are you expecting to stay in your home for several years? Geothermal heat pumps are the most efficient system available but will cost more upfront to install. If you're planning on moving in a few years, you might not be able to benefit from all of the potential energy savings offered by geothermal.

Are you considering a new construction project? Geothermal heat pumps can be cheaper to install in new construction projects. Consider designing your home for geothermal from day one!

Are you concerned about outdoor aesthetics or damage to outdoor equipment? Geothermal heat pumps don't have outdoor condensers like central air conditioners or air source heat pumps. All of your outdoor equipment will be buried in the ground in your yard safe from snow damage, and the heat pump itself will take up no more room than your existing furnace or boiler.

