

## Making your home more comfortable

A GeoExchange system promises the highest level of efficiency of any heating and cooling system available in North America. A small amount of energy is needed to operate the heat pumps. However the GeoExchange system replaces the need for a separate furnace and air conditioner.

On average, GeoExchange systems are 40% more efficient than most efficient gas furnaces and 75% more efficient than oil furnaces. This efficient performance means your home will be comfortably warm in the winter with no hot-air blasts that is typical of oil or gas furnaces, and cool throughout the warm summer months.

As an added benefit for homeowners, most GeoExchange systems can be designed to use waste heat to produce hot water, mainly in the summer months. This helps to reduce electricity or gas consumption and offsets your utility bills.

The system is also exceptionally quiet. There are no fuel lines to your home and no messy chimneys to contend with. The GeoExchange system has a longer lifespan than conventional systems, lasting more than 50 years.

## Using GeoExchange technology for your new home



CORIX is a leader in designing, installing and maintaining a sustainable, alternative energy source that is right for you and we make it simple to add the innovative GeoExchange system to new housing developments.

CORIX has the expertise and offers a fully guaranteed GeoExchange loop field system for your home. As your utility provider for the GeoExchange loop field system, we will own, operate, maintain and provide customer care enabling customers to access the system at an affordable price. As the demand for this technology grows, CORIX is increasingly becoming the partner of choice for new development projects throughout Canada and the United States.

If you install a GeoExchange system in your home, there may be incentives and grant programs available to homeowners at provincial or federal levels. If a GeoExchange system is right for you, Corix will work with you to learn how you can take advantage of these programs.

### Made easy by CORIX Utilities

**CORIX helps communities build and manage infrastructure for water, wastewater and sustainable energy.**

For more information, visit our website at [www.corix.com](http://www.corix.com) or call us toll free at 1.866.575.3330

**CORIX**  
Utilities

**CORIX**  
Utilities

Helping Canadians  
leave a smaller footprint.



# GeoExchange™

A safe and efficient choice for  
heating and cooling your home.



## Tapping into an energy - wise way to live

If you are building a new home, CORIX offers the most advanced and energy efficient way to heat, ventilate and cool your home using GeoExchange technology.

Today, as more and more Canadians take action to reduce our environmental footprint and choose an energy-wise way to live, a GeoExchange system is becoming an increasingly popular choice, particularly for new homeowners. This system heats and cools your home at a fraction of the cost - 30% to 60% less - of traditional systems.

Energy efficient. Cost savings. Added comfort. Just some of the reasons why more and more homeowners are choosing GeoExchange technology.

Read on to learn more about how you and your new home can benefit from a GeoExchange system.



## Relying on the earth's natural thermal energy

GeoExchange technology relies primarily on the Earth's natural thermal energy, a renewable resource. The ground acts as a vast reservoir, storing heat from the sun.

During the winter, the heat stored in the ground is transferred through a vertical or horizontal closed pipe network called a GeoExchange loop field system. The GeoExchange loop field system circulates environmentally friendly antifreeze to transfer the heat. Connected to the GeoExchange loop field system is a ground source heat pump which is then connected to a standard method of delivery within the home, either via ductwork or a radiant in-floor system. Unlike conventional heating systems that burn fossil fuels to create heat, a heat pump simply transfers heat from the ground to your home. In the summer, the process is reversed and the heat pump moves heat from your home to the ground.



## Making the best environmental choice

GeoExchange systems significantly reduce our reliance on fossil fuels, directly reducing pollutants and greenhouse gases, such as carbon dioxide, sulfur dioxide and nitrous oxides, emitted into the air we breathe.

In Canada, where our electricity is mainly created by our heritage hydro dams, greenhouse gas emissions are eliminated. In fact, installing this system has the same impact on greenhouse gases as planting an acre of trees or taking two cars off the road.

Hidden under your lawn, garden or your driveway, the GeoExchange system will not affect the esthetics and natural beauty of your yard and community.

