

Hubbell
DEVELOPMENT SERVICES

HubbellRealty.com • 515-243-3228

BELL
BROTHERS
HEATING AND AIR CONDITIONING, INC.

BellBrothers.com • 515-244-8911



WaterFurnace
Smarter from the Ground Up™

Waterfurnace.com • 800-GEO-SAVE

ENVIRO-TEC INC.
Dirt Cheap Heat!
and Cooling
GeoThermal™

Envirotec.com • 800-728-6187

For 50 years **Bell Brothers** has allowed people to relax and enjoy total indoor air comfort, regardless of the extreme conditions outside. Specializing in comfort systems for homes and business, Bell Brothers services all brands of heating and cooling equipment.

WaterFurnace, based in Fort Wayne, Indiana, is the industry leader in the development and manufacture of geothermal heating and cooling systems.

Over 30 years ago, **Enviro-Tec, Inc.** of Cresco made its name in underground utility construction. Today the company partners with hundreds of contractors on both residential and commercial geothermal heating and cooling projects.

Get Comfortable
with **Geothermal Living**



Geothermal Means Savings

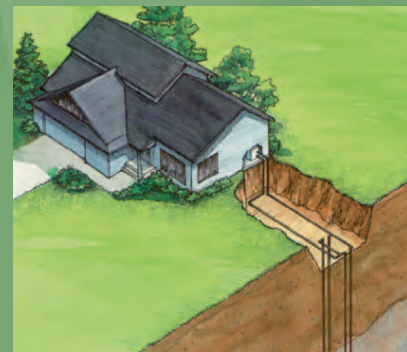
Geothermal heating and cooling has the ability to not only help you save the planet, but help you save money, too.



Geothermal Means Green

Including a geothermal heating and cooling system in your new home plans is one of the best ways a homeowner can help protect the environment and natural resources.

Geothermal systems use a loop of high-density polyethylene water pipe placed under ground, where almost 50 percent of all solar energy is absorbed and a temperature between 50 degrees to 70 degrees is maintained. Water and an anti-freezing agent are circulated through these underground pipes to absorb and expel heat, depending on the season.



In winter, the system absorbs heat from the earth and converts it to warm air for heating your home. In summer, the system reverses itself, gathering heat from your home and expelling it into the cooler earth. Typically, a geothermal heating and cooling system requires half the natural gas or half the coal for electricity normally used.

On average, your geothermal system will save you more than 60 percent over a typical gas system. This can translate into savings of \$100-\$200 per month on your utility bills, money that can go toward vacations, home improvements, even a larger home.

TYPICAL ENERGY & PAYBACK ANALYSIS

2.0 TON SYSTEM

Additional First Cost for Geothermal System
Over a 92% Gas Furnace & 14.0 SEER Air Conditioner **\$2,945.00**

SIMPLE PAYBACK ANALYSIS:

Annual Energy Savings **\$1,101.00/YR, \$91.75/MO***
2.67 Year Payback

LOAN AMORTIZATION ANALYSIS:

NET ADDITIONAL COST AMORTIZED INTO A 30 YEAR FIXED LOAN @ 6.0% APR.
PRINCIPAL AND INTEREST IS \$57.05 PER MONTH ON THE UTILITY BILL.

Monthly Energy Savings **\$91.75**
Monthly Loan Amount **\$17.66**
Monthly Positive Cash Flow **\$74.09**

* Energy savings are estimates based on ASHRAE conditions for the Des Moines area and two-person households. The estimate also reflects MidAmerican Energy's rebates provided to the homebuilder. Actual savings may vary depending on your operation of the system, gas and electric utility rates and actual weather conditions.

Note: MidAmerican Energy projects its electric rate to be stable through 2010, while natural gas prices will remain volatile.

For more information on geothermal heating and cooling, call 515-244-8911 or visit online at BellBrothers.com.

