

OFFERING
OUTSTANDING
SERVICE SINCE 1940.



IGSHPA ACCREDITED DRILLER

Geothermal Division



ANDREWS & FOSTER
DRILLING COMPANY

GEOHERMAL DRILLING SERVICES

Andrews & Foster specializes in vertical borings with drilling experience since 1940. U-shaped coils are inserted into the boreholes and sealed to create the geothermal loops.

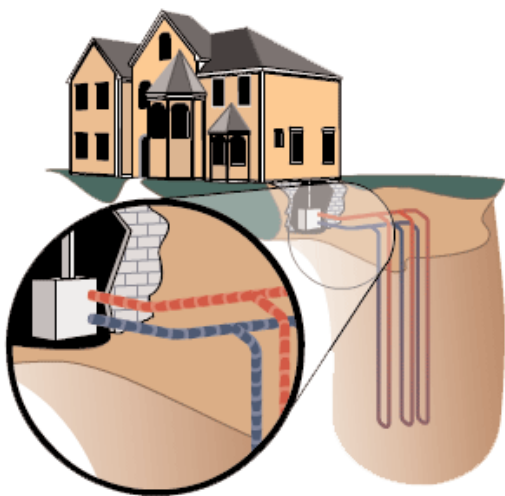


Our experience provides you with quality work and outstanding customer service.

- Water Well Drilling
- Well Service
- Geotechnical
- Geothermal
- Exploration
- Coring
- K-Line Irrigation

What is Geothermal?

The application of geothermal heating/cooling, also known as ground source heat pumps, has been named “*the most energy-efficient and environmentally sensitive of all space conditioning systems*”, by the Environmental Protection Agency. The system’s basic concept takes advantage of the earth’s constant temperature to heat and cool a building.



Closed loop geothermal systems operate by circulating water through plastic pipes buried beneath the earth’s surface. During the winter, the fluid collects heat from the earth and carries it through the system and into the building. During the summer, the system reverses itself to cool the building by pulling heat from the building, carrying it through the system and placing it in the ground. This process creates free hot water

in the summer and delivers substantial hot water savings in the winter.

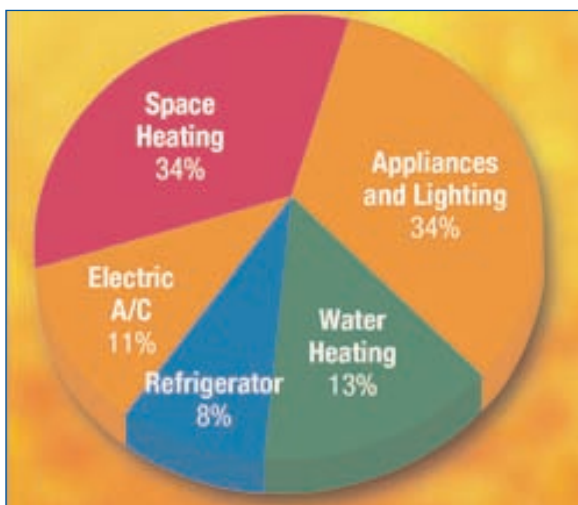
By tapping this steady flow of heat from the earth in the winter, and displacing heat in the earth in the summer, a geothermal heat pump can save homeowners 40 to 70 percent in heating costs and 30 to 50 percent in cooling costs compared to conventional systems.

Ground source heat pumps work in a similar manner as air source heat pumps, minus the high cost. This can give most systems a payback period of three to five years.

GSHP's are more than three times as efficient as the most efficient fossil fuel furnace. By moving heat that already exists in the earth, instead of burning a combustible fuel, GSHP's deliver three units of energy for every one unit used to power the heat-pump system.

Over 44% of the average energy usage in Texas is used on heating and air conditioning. Geothermal can save a homeowner as much as \$1500 per year. (based on national averages)

While GSHP's require a small amount of electricity to concentrate the energy and circulate it through the system, *most systems derive approximately 70 percent of their energy from a clean, renewable source—the earth.*



In 2009 Congress passed Stimulus Plan, HR1424, that could make homeowners and businesses eligible for a *30% tax credit* for installing Geothermal Heat pumps through 2016.

Our years of drilling experience will help provide you with a Geothermal system that will be energy efficient for years to come. We work with geothermal installers that will complete your HVAC system once we conclude the closed loop drilling operation.



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Andrews & Foster

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DEDICATED TO QUALITY AND CUSTOMER SATISFACTION SINCE 1940.

Licensed Water Well Contractor in the states of:

- Texas
- Alabama
- Arkansas
- Florida
- Georgia
- Louisiana
- Mississippi
- New Mexico
- Oklahoma
- South Carolina

Members of the following professional organizations:

- National Ground Water Association
- Multiple State Ground Water Associations
- NGWA Certified Contractor, No. 4072
- International Ground Source Heat Pump Association

For information, contact:

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