

Ground Source Heat Pumps: Use the earth's energy and improve your bottom line.

Ground source heat pumps (GSHPs), also known as geothermal heat pumps are electrically powered systems that tap the stored energy of the greatest solar collector in existence: the earth. These systems use the earth's relatively constant temperature to provide heating, cooling, and hot water for commercial buildings.

How does it work?

A water/anti-freeze solution circulates in underground piping transferring heat to and from the heat pump. Due to the fact that the earth's temperature remains at a relatively constant 50 degrees year round, ground source heat pumps are the most energy efficient heating and cooling systems available (300%-400%), regardless of the outdoor air temperature. In addition, waste heat from the air conditioning cycle can be used to provide free water heating during the summer.

Value For Your Business

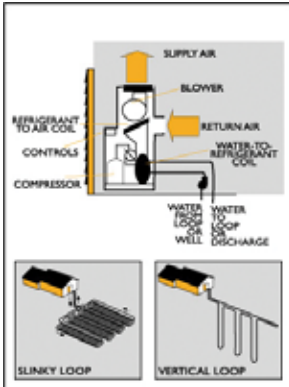
- Low operating cost
- No required exposed outdoor equipment
- Level seasonal electric demand
- No on-site combustion
- Long life expectancy
- Low cost integrated water heating
- Simplicity
- Low maintenance
- No supplemental heat required
- Low environmental impact

Other Benefits for Your Business

- Simultaneously heat and cool different parts of the same building
- Greater freedoms in building design due to 50-80% less mechanical room space
- No outside equipment to hide, eliminating vandalism and roof top units
- Ground loop typically have 50+ year life expectancy
- Conserve natural resources by providing efficient climate control and thus lowering emissions
- Very energy efficient, with the earth providing the energy required to heat and cool while the heat pump simply moves that energy

Who can participate?

- Any commercial, industrial or agricultural building
- GSHP's flexible design requirements lower operating and maintenance costs, and durability making them a smart choice for schools, high-rises, government buildings, apartments, and restaurants—almost any commercial property. Lower operating and maintenance costs, durability, and energy conservation make Ground Source Heat Pumps the smart choice for commercial applications.

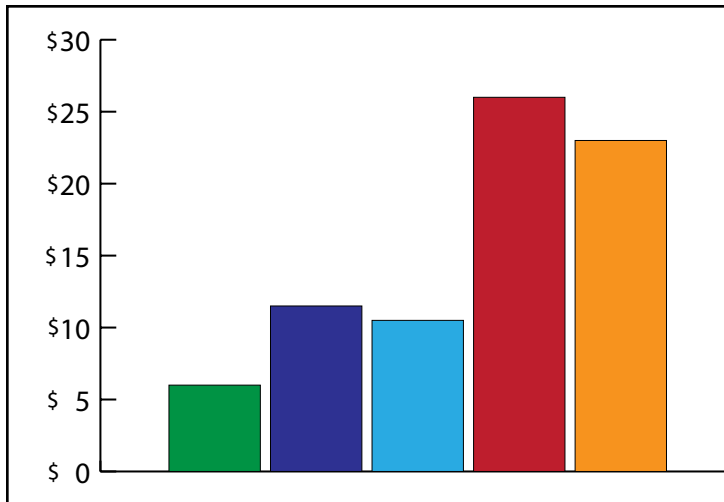


Source: International Ground Source Heat Pump Association

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and improve your bottom line

Cost per million BTU



- Geothermal Heat Pump \$.064/kWh @ COP 3.00
- Natural Gas \$1.02/Therm @ 80% Eff.
- Natural Gas \$1.02/Therm @ 90% Eff.
- Propane \$2.00/Gal @ 80% Eff.
- Propane \$2.00/Gal @ 90% Eff.

- Installation must be complete before funds will be issued.
- Itemized invoices from equipment vendors must accompany rebate application.
- Invoices must itemize labor charges, quantity and price of the equipment installed.
- Invoices must include manufacturer and model numbers for the installed equipment.
- East Central Energy reserves the right to conduct inspections.
- Only new and complete ground source heat pump units qualify

Contact us

For any questions, please contact your strategic accounts representative at East Central Energy for more information and assistance in getting these rebates and incentives to help improve your bottom line – today! 1-800-254-7944 or www.eastcentralenergy.com

What you'll receive

\$200 per ton, per unit rebate

What you need to do

1. Contact East Central Energy to verify funding availability and program parameters.
2. Request a GSHP rebate application from East Central Energy.
3. Complete the GSHP rebate application and include proof-of-purchase and documentation of efficiency ratings

