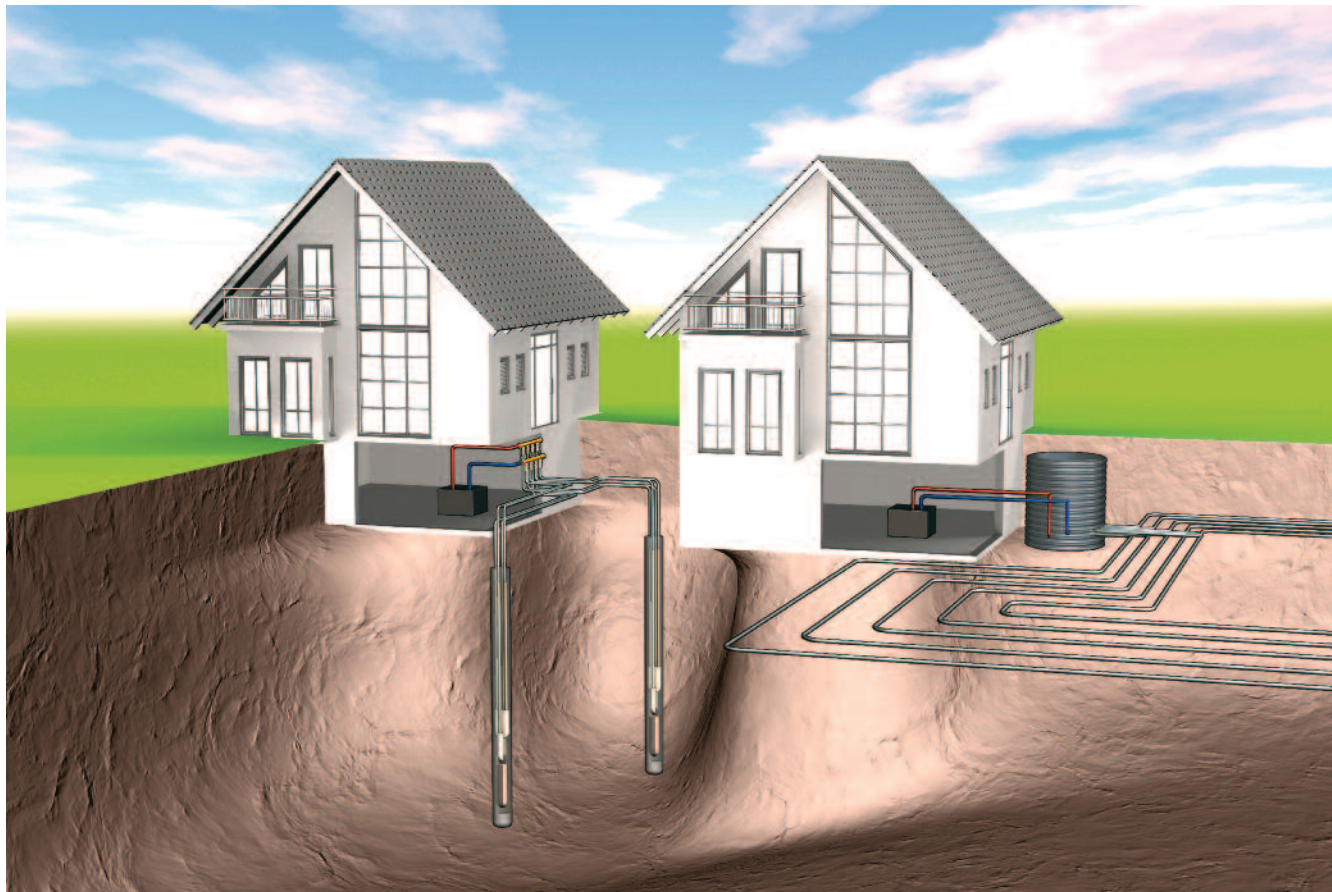


JERNIGAN'S

ENVIRONMENTAL SERVICES, INC.



GEOHERMAL GROUND LOOP HEAT EXCHANGE

CAPTURING RENEWABLE ENERGY FOR HEATING AND COOLING

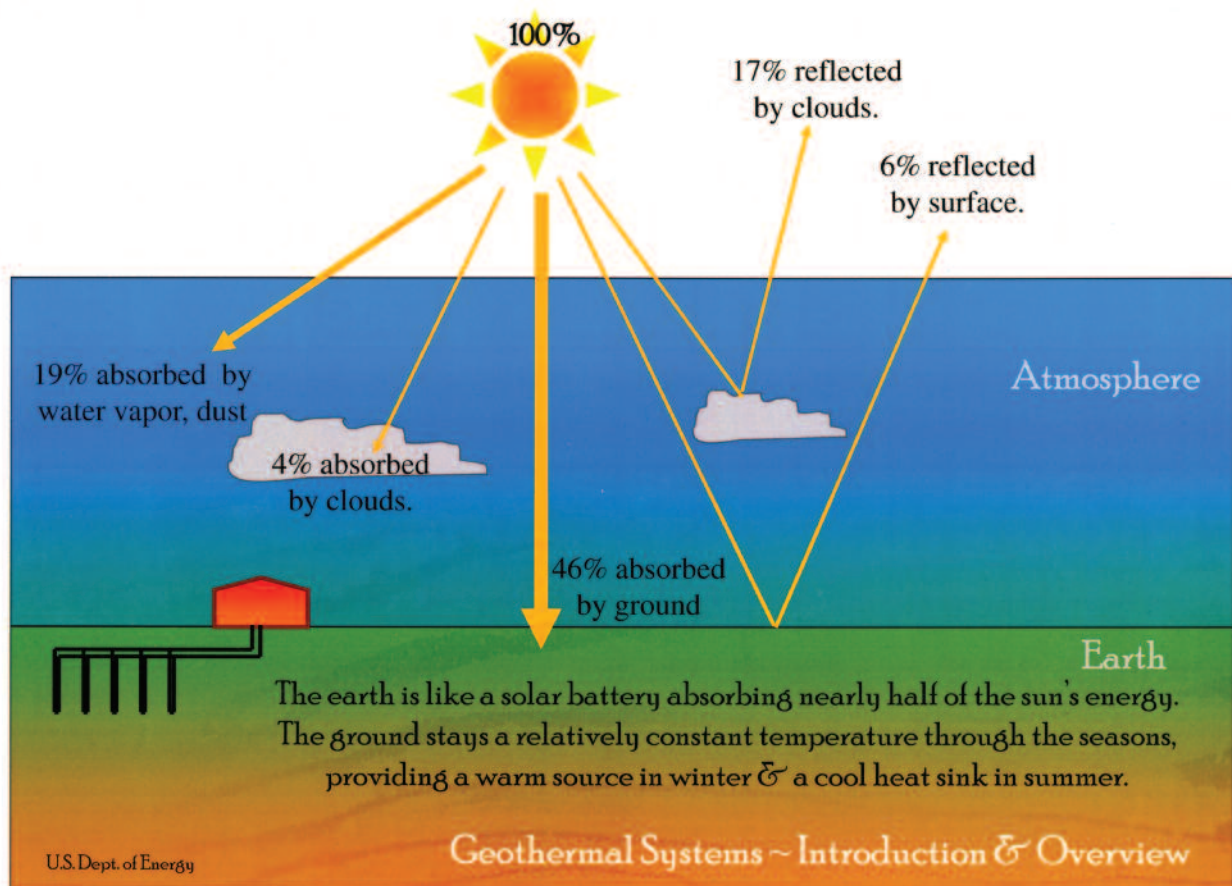
Accredited Geothermal Loop Installer
TROY JERNIGAN



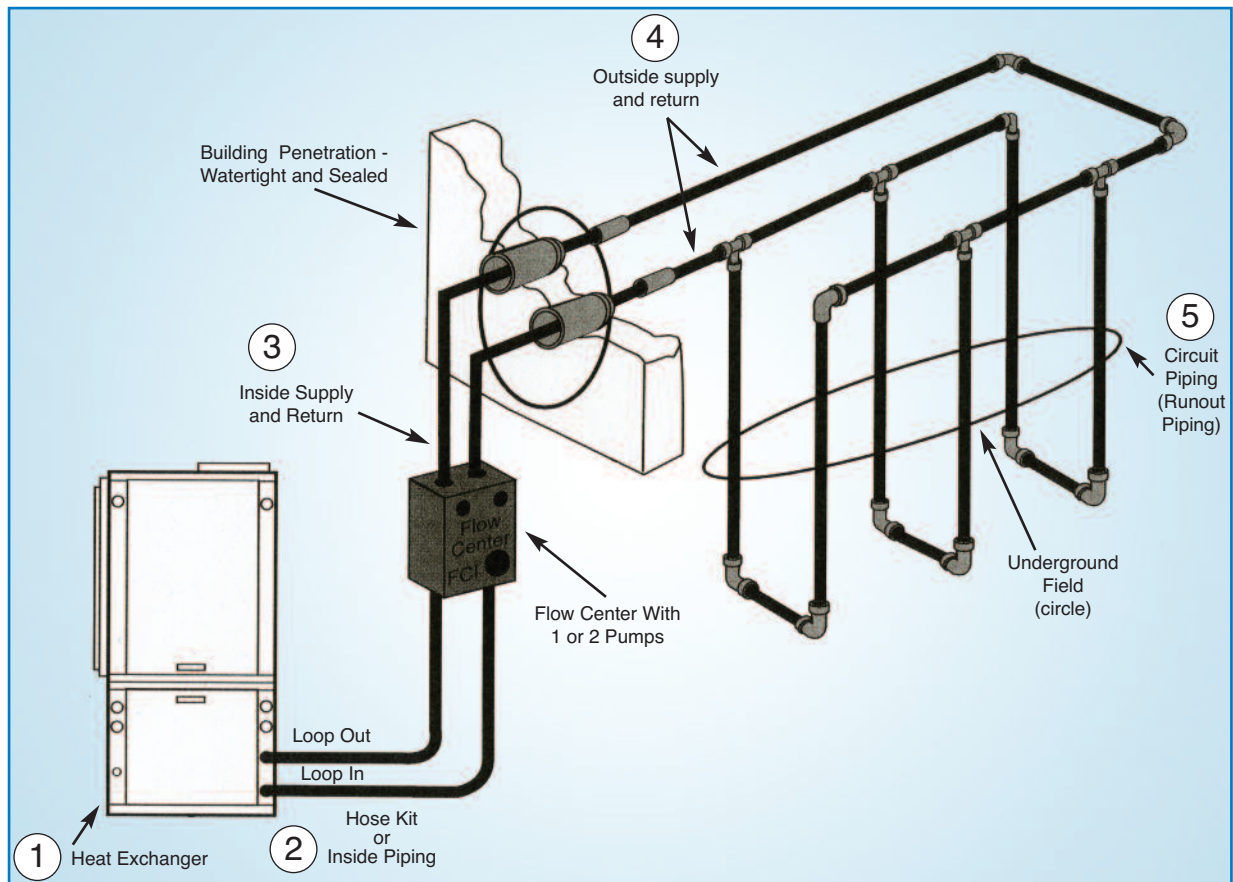
22725 Stevenson Road • Smithsburg, Maryland 21783
Cell 240.446.4353 • Office 301.790.0450 • Fax 301.824.2909
jernland@myactv.net

➤ The first ground source heat pump was invented in 1912 by the Swedes ➤

Harness the Earth's Stored Energy

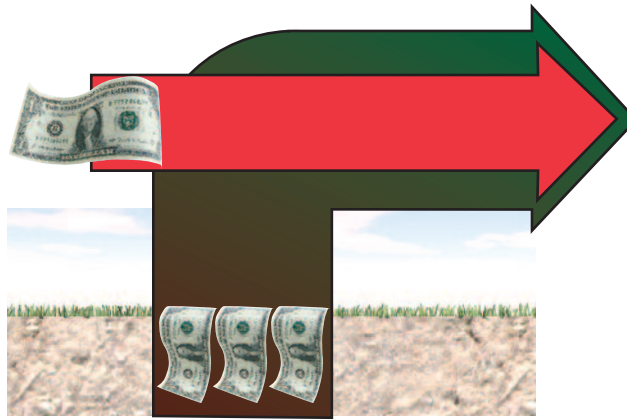


Typical Vertical Ground Source Heat Pump



Energy Savings • COP = Coefficient of Performance

\$1 (25%)
\$1 of **purchased** electricity
to power the compressor
and circulator pump(s)



\$4 (100%)
\$4 of heat **delivered**
to the building

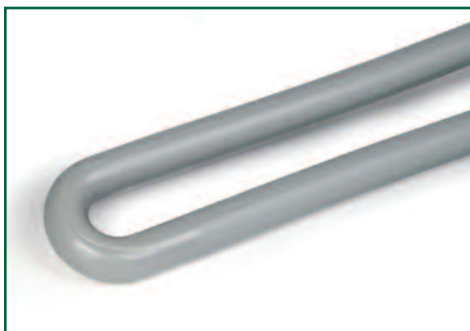
\$3 (75%)
\$3 of **free** energy
from the Earth

A geothermal system gets the majority of its energy from the earth's latent heat

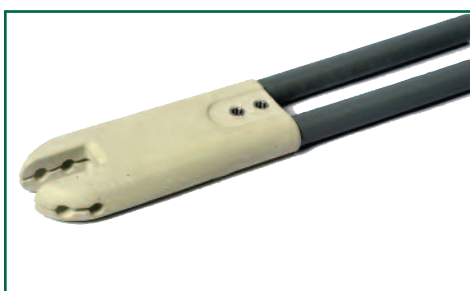
PE3408 • Poly Pipe



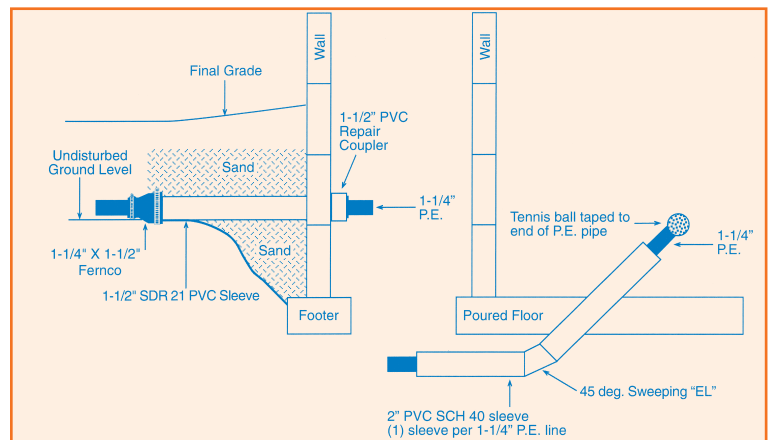
RAUGEO™ Pipe • No Weld!



RAUGEO™ Pipe with Protective Cover



Wall and Floor Penetration



Typical Horizontal Heat Exchange Layouts

