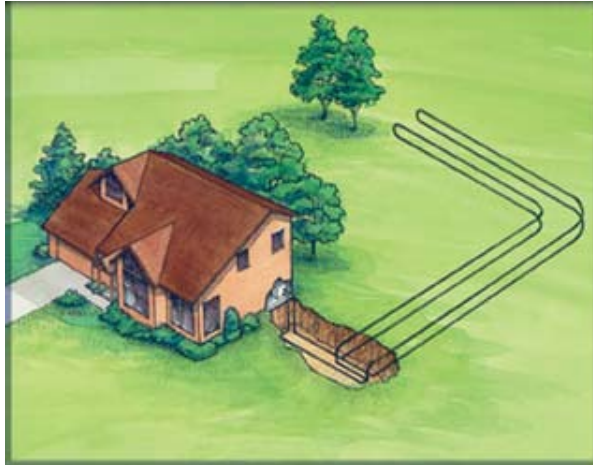


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## Geothermal loop field types

Three basic types of closed loop geothermal energy sources – horizontal loop, pond loop, and vertical loop – are typically used to heat and cool residential homes. These closed loop systems circulate a water-based solution through a “loop” of small-diameter underground pipes.

**Horizontal Loops** are often considered when adequate land surface is available. Pipes are placed in trenches, in lengths ranging from 100’-400’.



**Pond (Lake) Loops** are very economical to install when a body of water is available, because excavation costs are virtually eliminated.



**Vertical Loops** are the ideal choice when available land surface is limited, such as compact residential or urban areas. Drilling equipment is used to bore small-diameter holes from 75’-300’ deep.

