

Geothermal Energy

Open Loop System

- Most common for this area.
- Well water is pumped to geo where heat is extracted (heating mode) or added to the water (cooling mode).
- Requires a discharge point such as lake, stream, or pond.
- Most economical in terms of geothermal installation.



Closed Loop System

- In ground piping system filled with anti-freeze solution that either absorbs or rejects heat into the surrounding earth.
- Adequate yard space is necessary to lay piping system.
- Costs are increased due to the excavation and installation of the horizontal loop piping.

Benefits

- Lower Operating Costs (Geothermals deliver a 400% efficiency rating).
- Transfer of heat, not creation.
- Earth Friendly. No Combustion.
- Potential for rebates and incentives through government programs & utility companies.
- No exterior unit.

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Heating & Cooling Systems