

March 2025

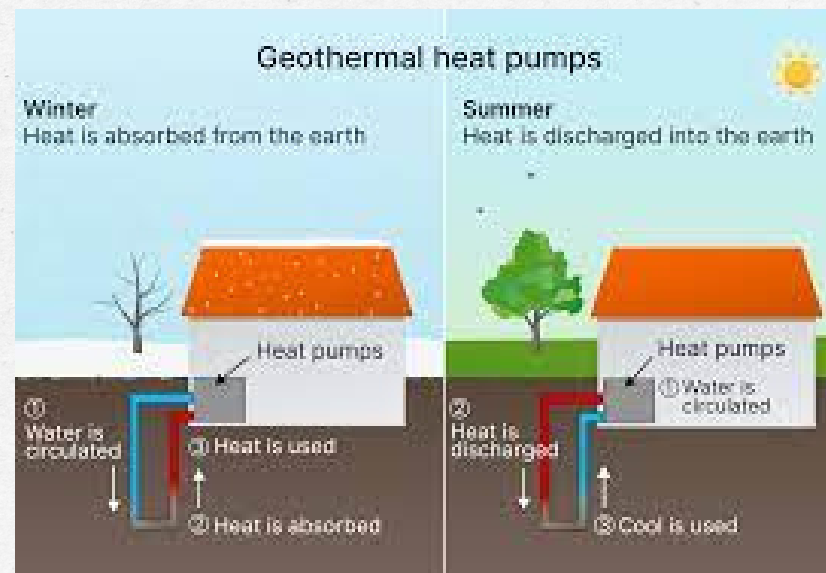
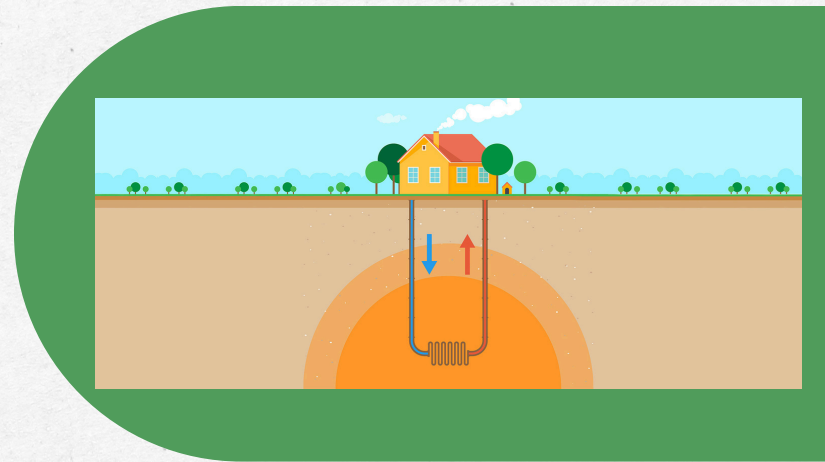
GEO-THERMAL ENERGY

Is Geo-Thermal Energy Efficient?

Dan and Rita Davis, who live in Edgewater Place, began building their home in 2009. From the start, they opted for geothermal heating with Terra Alta and they paid it off in just **seven years!**

How does it work?

- In the summer, a heat pump pulls water from the ground, which remains around 10°C, to cool the air conditioning system. As the water absorbs heat, it warms up to about 15°C.
- In the winter, the same water—still at approximately 10°C—is used to heat the home. As heat is extracted, the water cools to around 5°C.
- This entire process is an energy exchange. Instead of running a furnace at full capacity, the system only requires electricity to operate the water pump and AC. The AC also runs much more efficiently in the summer because the cooling water is colder than the outdoor air, which can reach 40°C.



Company to execute the project

Terra Alta is a local company offering geothermal solutions along with solar, electrical, and plumbing services. Visit their website to learn more about their products.