

# The thermal energy generated and stored in the earth

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Geothermal Resource and Potential Geothermal energy derives from Earth's natural heat.<sup>1</sup> It exists in high enthalpy (volcanoes, geysers) and low enthalpy forms (heat stored in rocks in the Earth's crust).

Geothermal energy is a renewable energy source because heat is continuously produced inside the earth. People use geothermal heat for bathing, for heating buildings, and ...

Geothermal energy is heat energy within Earth that can be captured and harnessed for electrical power generation, space heating and cooling, and various direct uses.

Geothermal energy is heat energy from the earth--geo (earth) + thermal (heat). Geothermal resources are reservoirs of hot water that exist or are human-made at varying temperatures and depths below ...

Earth's thermal energy refers to the heat energy stored beneath the Earth's surface. This heat is generated from the decay of radioactive elements, as well as from the original heat of ...

Geothermal resources consist of thermal energy stored within the earth in rock, trapped steam or water. Exploitation of geothermal energy occurs through two means: electricity generation and direct use in ...

Deep beneath your feet, the Earth holds an incredible source of energy that has been powering our planet for billions of years. Geothermal energy harnesses the natural heat stored within ...

Geothermal energy is a clean, renewable resource that can be harnessed for use as heat and electricity. Geothermal energy is heat that is generated within Earth. (Geo means "earth," ...

Geothermal energy is a renewable energy source because the water is replenished by rainfall and the heat is continuously produced inside the earth. Geothermal energy is generated in the earth's core, ...

# The thermal energy generated and stored in the earth

Geothermal energy makes use of abundant natural heat deep below the Earth's surface. Geothermal resources are accessible where the Earth's crust is thin or faulted or near volcanic activity, which ...

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