

# WHAT IS Geothermal Energy?

## Fast Facts

**Renewable:** Geothermal power plants around the world are still running after 50+ years. And geothermal heat has been used throughout human history!

**Reliable:** Geothermal is always available, regardless of weather conditions.

**Clean:** Geothermal emissions are as low as solar, wind, and hydropower.

# GEO THERMAL

“Earth”

“Heat”

Literally “**heat from the earth**,” geothermal energy is a renewable energy heat source found under the surface of the earth.

Geothermal energy is visible on the surface as volcanoes, geysers, or hot springs.

Geothermal energy from deep wells is converted to clean power. The cooled water is reinjected into the reservoir.

A geothermal heat pump circulates water through pipes buried in the ground, or submerged in a water body, to heat and cool a building’s HVAC system.

Reinjected water can replenish the geothermal reservoir.

Heat from the Earth is brought up to the surface in the form of hot ground water and steam.