



# ALTERNATIVE SOURCES OF ENERGY

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CLASS B8

# WHAT IS RENEWABLE ENERGY?

A renewable energy source means energy that is sustainable - something that can't run out, or is endless, like the wind. Alternative types of energy are:

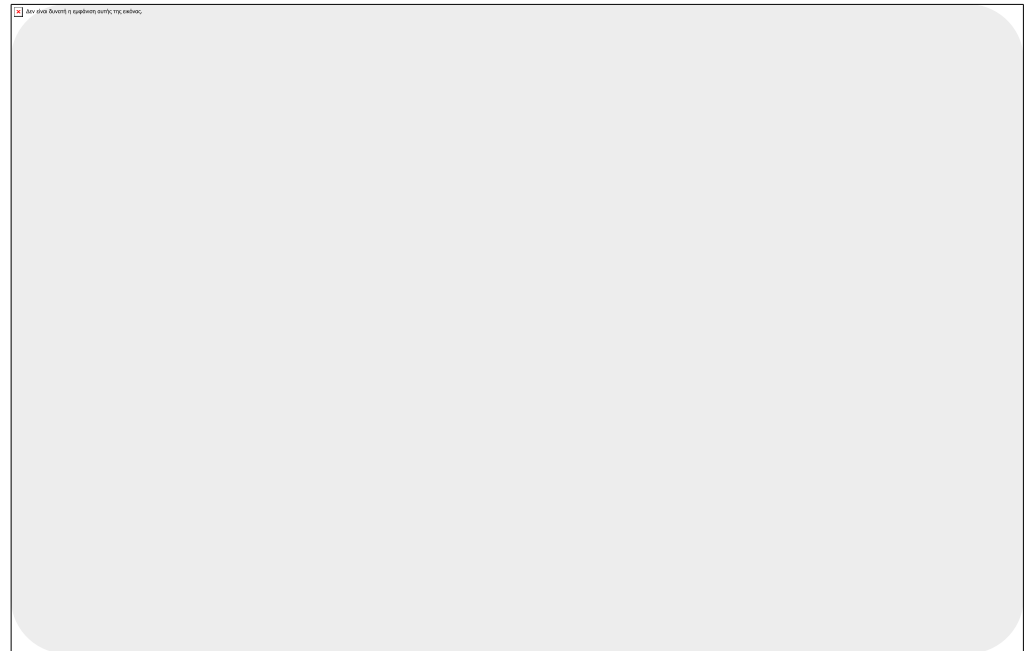
- ❑ Wind energy
- ❑ Solar energy
- ❑ Geothermal energy
- ❑ Hydro energy
- ❑ Tidal energy
- ❑ Biomass energy



I am going to talk about the wind, the solar the biomass and the geothermal energy.

# WIND ENERGY

Wind energy comes from harnessing electricity from the power of the wind. In Greece, wind turbines generated 18% of total use in 2021, which was above the European Union average.



The sun is the most well known renewable source of energy. The amount of solar energy that reaches the earth is more than enough for the entire year! In Greece, between the period 2022-2027 the solar energy that is used in the country will go up at least by 8%.



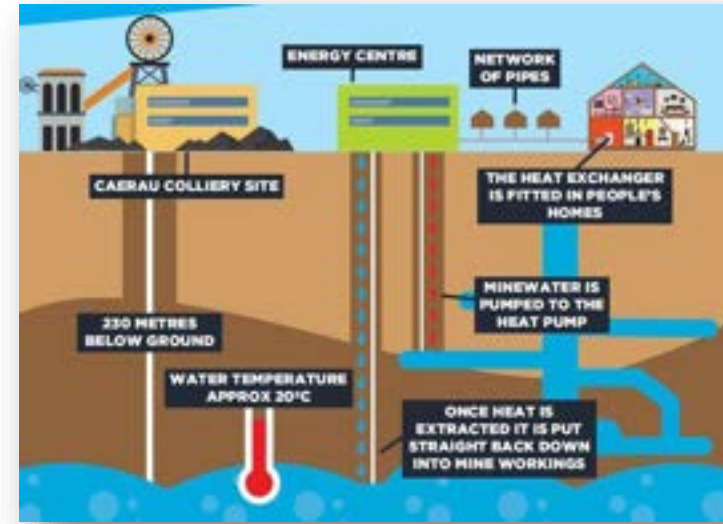
## **SOLAR ENERGY**

# BIOMASS ENERGY

Another type of renewable source of energy is biomass energy. Biomass energy uses fuel made from plants and make it to electricity or biodiesel fuel. In Greece about 7% diesel fuel is biodiesel fuel.



# GEOHERMAL ENERGY



Lastly, geothermal energy is heat coming below the earth's surface. It is very likely used to heat or cool homes. In Greece geothermal energy is rarely used.

# LINKS

- ▶ <https://www.mordorintelligence.com/industry-reports/greece-solar-energy-market>
- ▶ <https://www.edfenergy.com/for-home/energywise/renewable-energy-sources>
- ▶ <https://www.ekathimerini.com/economy/1184498/greece-ahead-of-eu-average-in-wind-energy/>

