

« What Different Types of Energy Can Be Used for Heating? »

(Video Transcript)

#1 --- ELECTRICITY

Electricity can be used to power hot water tanks, some boilers and radiators that heat air through convection, i.e., by circulating warmer air.

#2 --- FUEL OIL

Produced from oil and therefore non-renewable, fuel oil can be used to fire certain boilers. The heat is produced by burning fuel oil stored in a tank. It is often used for individual homes, in rural areas that are not connected to the public gas network.

#3 --- NATURAL GAS

This non-renewable fossil fuel is naturally found in the Earth's crust. It is used to power urban heating networks and various types of boilers and hot water tanks.

#4 --- WOOD

Wood in the form of logs or pellets is burnt in boilers and stoves. It is the least expensive fuel, but also the most cumbersome.

#5 --- SOLAR

Solar energy is recovered by panels, which send it as heat to hot water tanks or a central heating network. Since sunshine is intermittent, an additional source of heating is often necessary.

#6 --- GEOTHERMAL via heat pumps

Using sensors buried in the ground, heat pumps harness the Earth's heat to power radiators or under-floor heating systems.

#7 --- AIR SOURCE via heat pumps

This means collecting heat from air outdoors and either releasing it directly into the air indoors with an air-to-air heat pump or into water in radiators with an air-to-water heat pump.

Summary:

Energy types used for heating: electricity, fuel oil, natural gas, wood, solar, geothermal, air source.