

What is renewable energy?

Renewable energy is energy derived from natural sources, like sunlight and wind. Thanks to that we're reducing an amount of greenhouse gases in atmosphere and stopping polluting our planet. It is a key to solve the climate crisis.





Types of renewable energy

There are many types of renewable energy. The most popular of them are (from left):

- Hydropower
- Geothermal energy
- Wind energy
- Solar energy

What is renewable energy?

Renewables are now cheaper in most countries, and generate three times more works than fossil fuels. But what is the situation with renewable energy in Poland?



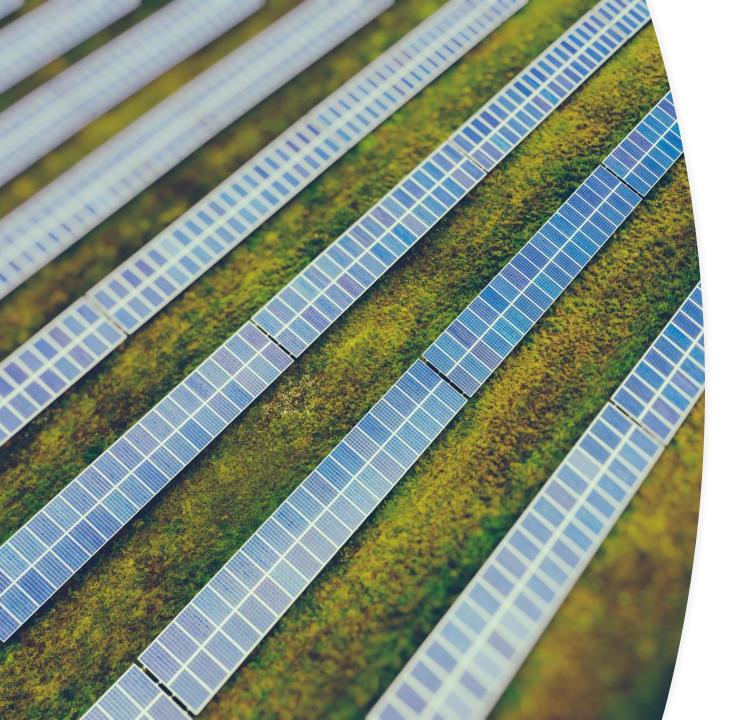


Hydropower in Poland

In Poland, energy from hydropower plants is only about 14 TWh per year. Only 12% of their resources are used. If Poland's hydropower potential could be fully exploited, it would be possible to achieve approximately 12 GW of power.

In 2017, hydropower in Poland produced 1.5% of electricity.

The largest hydroelectric power plant in Poland is the Żarnowiec Power Plant.



Solar Energy in Poland

As with previous types of renewable energy, solar energy in Poland is constantly developing. Thanks to subsidies from the government and the European Union, solar energy is becoming more and more popular. Solar panels are also installed more and more often in single-family houses, farms and company buildings. Thanks to them, we save more money and reduce the emission of harmful carbon dioxide.

The largest solar power plant in Poland is located in Czernikowo near Toruń. It consists of approximately 16,000 panels and covers 24,000 m². The annual production of electricity from this power plant is 3500 MWh



Forecasts of development of renewable energy in Poland

It is estimated that by 2030 there will be a huge expansion of renewable energy in Poland. According to forecasts, we will obtain over 50% of the demand for electricity from renewable sources. The budget to be allocated to these investments is approximately PLN 32.5 billion.

However, despite optimistic forecasts, the entire project may extend over time by up to 10 years.

SOURCES:

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