

ENVIRONMENTAL PROJECT IN ENGLISH

“ALTERNATIVE SOURCES OF ENERGY”

“TIPS FOR SAVING ENERGY”



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INTRODUCTION

In today's society there is a great need of alternative sources of energy. This is happening because of the people's carelessness and the overuse of energy without a second thought.

As a result there is such a global lack of energy sources that alternative sources of energy have been created to help human beings survive.

In this project alternative sources of energy and tips for saving energy are going to be presented.

Every kind of energy is very often collected from renewable resources, which are adjusted to a human timescale. Among the sources there are: sunlight, wind, the movement of water and the geothermal heat. It usually happens with renewable energy to provide energy for electricity generation, as well as air and water, heating or cooling.



There is a variety of energy technology products, suited both to rural and remote areas as well as developing countries. Renewable energy produces further electrification, which has several benefits in numerous applications which help people be healthy, save money and the most important keep the environment safe and clean.

Renewable energy is produced from natural processes. There are various forms of renewable energy, like: directly from the sun or heat, generated deep within the earth. Included in the definition, electricity and heat are generated from solar, wind, ocean, hydropower, biomass and geothermal resources. Also, there are the biofuels and hydrogen which are derived from renewable resources.

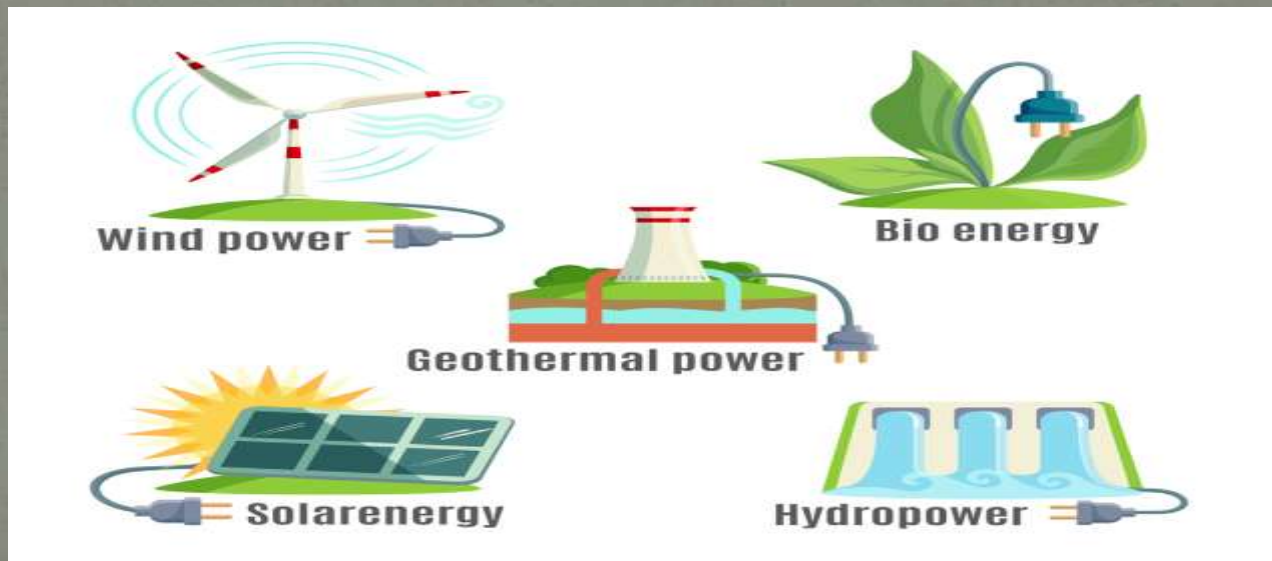


It is worth mentioning that solar and wind power have got much cheaper expenses which make them more popular among so many other forms of renewable energy. It is widely known that energy stands in contrast to fossil fuels since they are used really quickly.

Important opportunities for energy efficiency exist over wide geographical areas while other energy sources are gathered in a small number of countries.

Among the most usual forms of energy are the ones below:

- **Solar energy**
- **Wind power**
- **Hydropower**
- **Bioenergy**
- **Geothermal radiation**

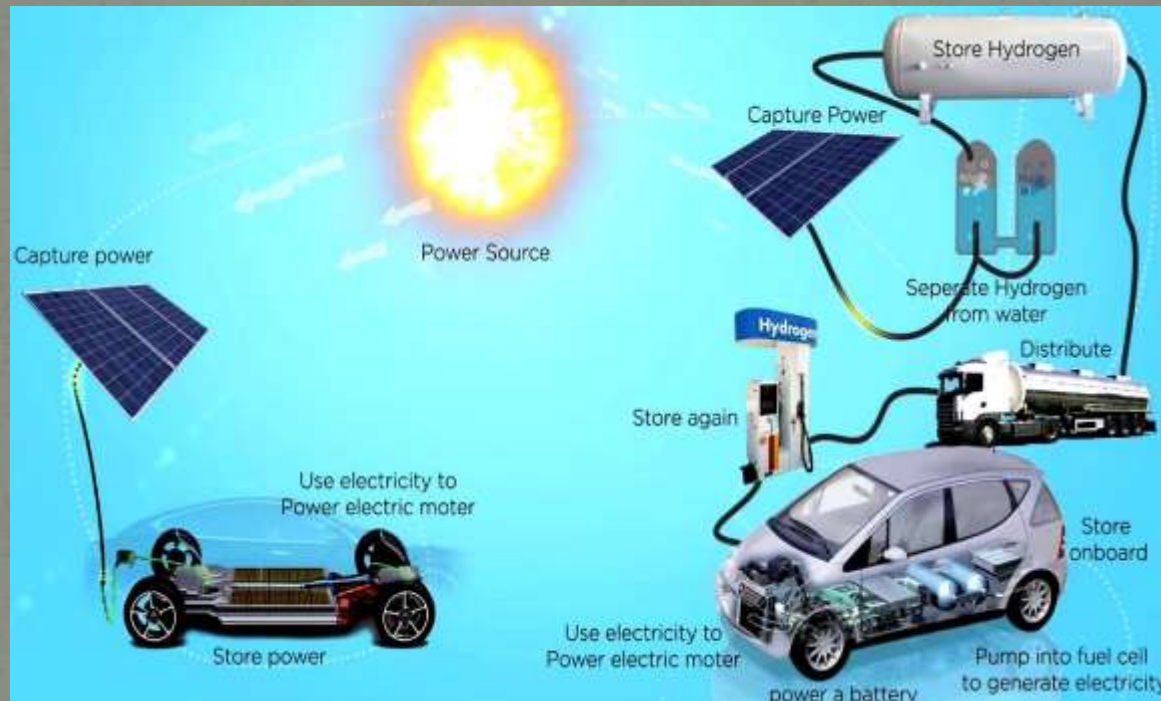


Renewable sources of energy are used in several areas, like:

- The production of electricity generation offering hot water for several manufacturing or household uses and space heating.



- The transportation benefits, as: electric vehicles, solar energy and solar power, hydrogen fuel cells, solar water heating and biofuels.



- The photovoltaic systems which work based on the photoelectric effect.



- The wind energy generation is also widely used with an endless number of applications.



- Hydropower and hydroelectric power also create renewable sources of energy by using water of rivers, lakes and dams.



- Another renewable product is biomass, which is a biological material, made of plants or plant products, called lignocellulosic biomass.



ENERGY SAVING TIPS

**Energy saving tips
for the home**



1. Turn Off the Lights

Spend less time with the lights on. To make it easier, place a note near the switch that says “TURN ME OFF” or “green to go”.



2. Unplug Unused Devices

Simply unplug all the unused devices, including the phone and laptop chargers. Even when you're not charging, the chargers are still wasting energy. Also, if you really want to save energy, reduce the TV time and don't forget to turn it off before you leave or fall asleep.



3. Dry Your Clothes Naturally

Many people are used to drying their clothes on radiators because it's fast and convenient. However, besides the fact that they're wasting energy throughout the process, they're also putting their health at risk.



4. Use Dishwashers

There's a false belief that washing dishes manually consumes less energy than a dishwasher. Well, that's a myth that needs to be treated like a myth. To be truly energy efficient, make sure you fill your dishwasher entirely before turning it on.



5. Keep the Door Closed

What's the point of using energy to create heat if you leave the door open? Don't let the heat go out by simply making a habit of keeping the doors closed.



6. Turn Down the Thermostat

Your thermostat is a very tricky device. If you set the temperature high, the thermostat won't stop heating until it reaches the values that it has been instructed to reach.

7. Turn Down the Temperature of the Washing Machine

Whenever you wash clothes, you should consider two important aspects: First of all, use your washing machine only when you can fill it up with a lot of clothes. Secondly, make sure you turn down the temperature of your washing machine to approximately 30 degrees.



CONCLUSIONS

To sum up more and more new resources of energy are used in order to protect our planet. People should be aware of how important it is not to waste energy without a second thought. In order to achieve to have honest and environmentally aware adults in the future, both families and teachers are responsible for teaching children to respect the environment.



This way kids will be able to do their best in their daily life so that they will keep our planet undamaged. Acting so, these well-informed people will be able to teach their own children and show them the correct way they will have to behave towards the environment.



INTERNET SITES - SOURCES

- https://en.wikipedia.org/wiki/Renewable_energy
- <https://eclass.upatras.gr/courses/CMNG2123/>
- <https://petroilfuels.gr/enallaktikes-piges-energeias/>
- https://ec.europa.eu/clima/sites/youth/solutions/solutions-energy_el



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