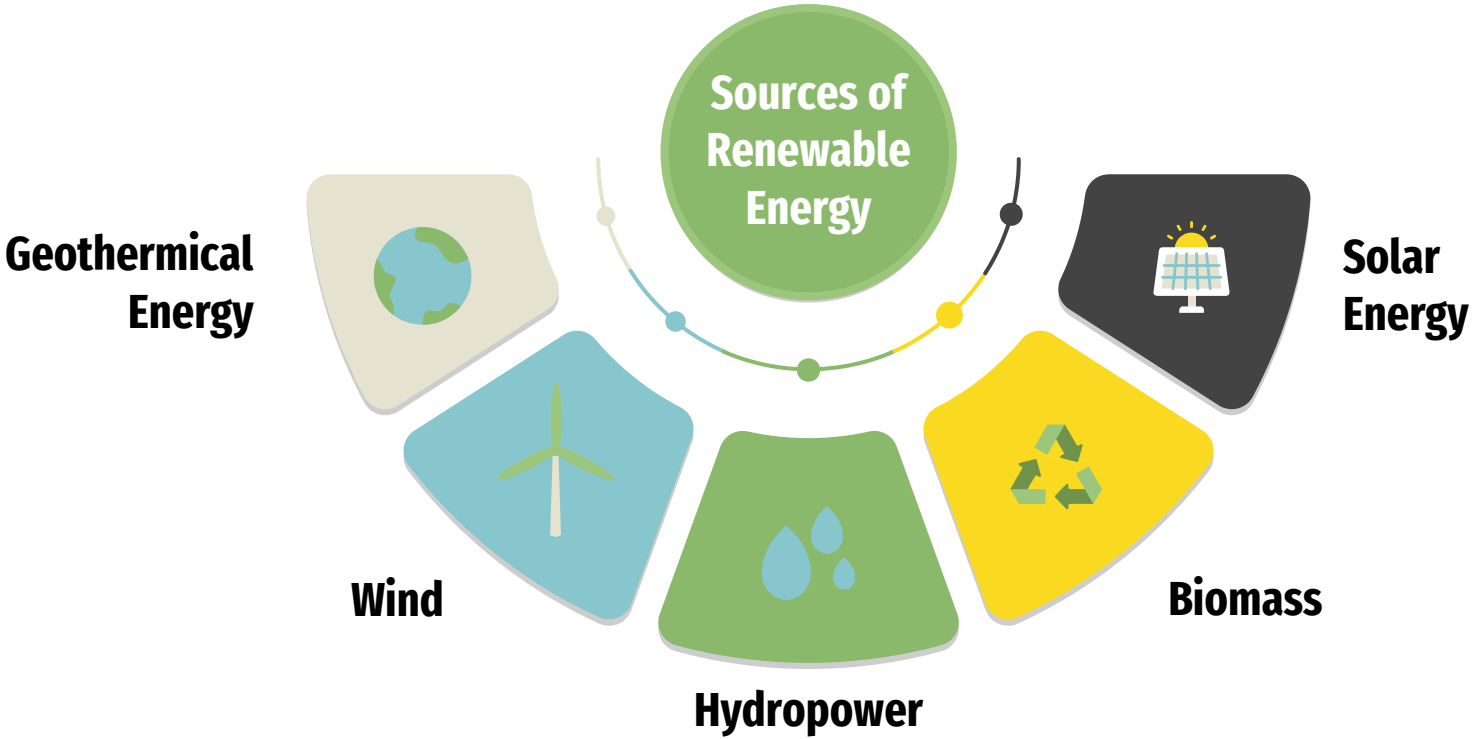
Saving Energy




Sources of Renewable Energy
Geothermical Energy
Solar Energy
Wind
Biomass
Hydropower

Sources of Nonrenewable Energy



- Petroleum
- Coal
- Hydrocarbon gas liquids
- Nuclear Energy
- Natural Gas

Renewable Energy

PROS

- It's better for the environment.
- Doesn't waste the Earth's resources, it just reuses them.
- Renewable resources won't run out.
- Zero carbon emissions.
- Saves money; it's cheaper for the consumer.

CONS

- It requires a lot of investment.
- Renewable energy is itermittent (e.g. the wind is not always blowing.)
- It has geographic limitations.

Non-renewable Energy

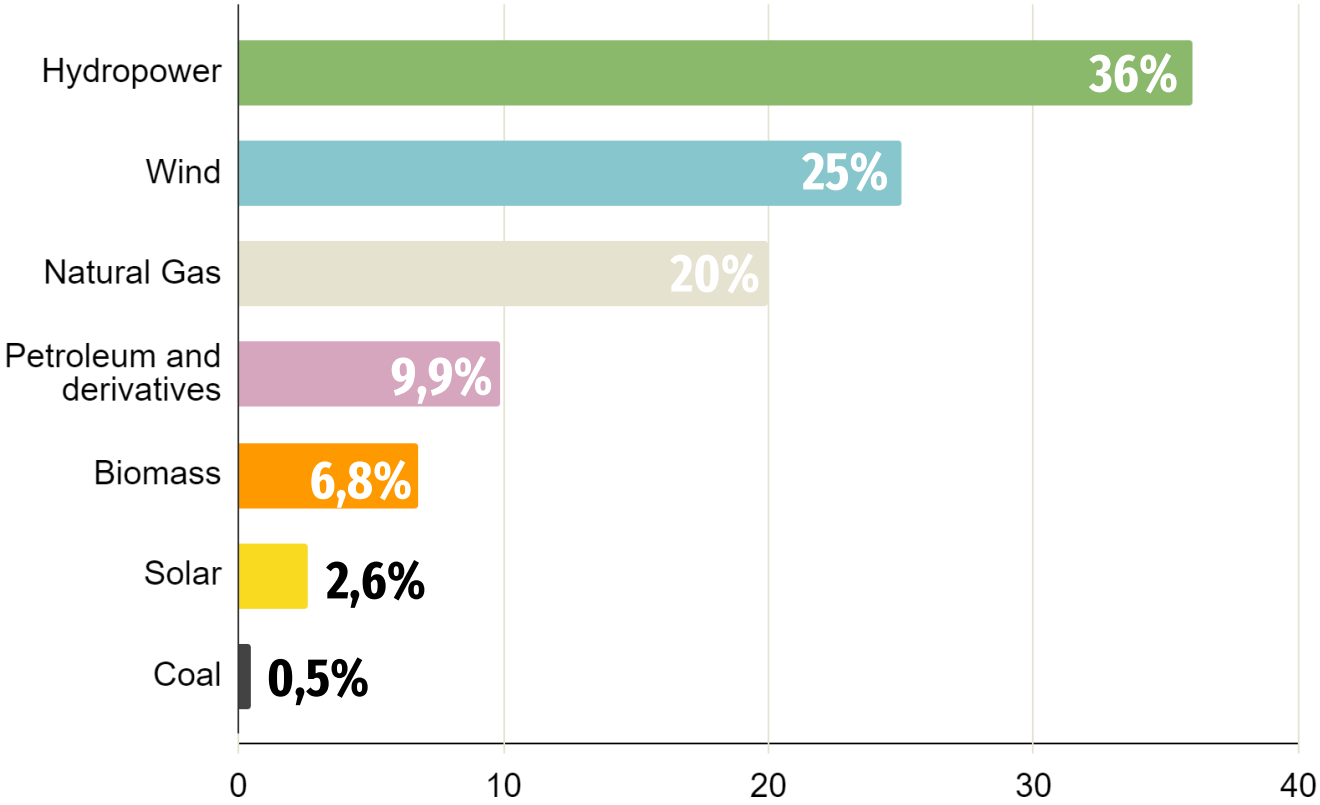
PROS

- It’s more affordable than renewable energy.
- Non-renewable resources are high in energy in comparison to renewable energy like solar or wind energy
- These resources are easy to use whether in a home or anywhere else
- They create a lot of jobs.
- They are easy to transport.

CONS

- High emissions of CO2 and other greenhouse gases.
- Big contibuter to climate change.
- Responsible for a lot of pollution.
- Severe threat for human health.
- Non-renewable resources will eventually run out.

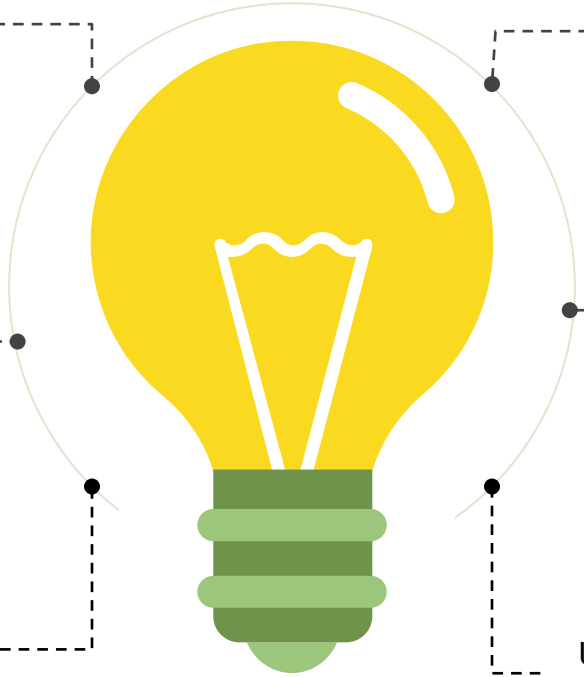
Energy Production in Portugal (2023)



Source: https://eco.sapo.pt/2020/08/23/qual-a-principal-fonte-da-eletricidade-produzida-em-portugal/

Some Tips to Save Energy

1. Switch off lights and electrical appliances when not using them.
2. Switch to light-saving LED light bulbs.
3. Shut doors and close curtains.
4. Wait until your washing machine is full and wash your clothes in cold water.
5. Manage your heating/cooling and the temperature of AC systems
6. Use renewable energy in your home (e.g. solar panels).



Saving Energy Is Easy!



escolas de mangualde

CLIMATE CHANGE AND CARBON FOOTPRINT OPTIMIZATION

Erasmus+

Co-funded by the European Union