

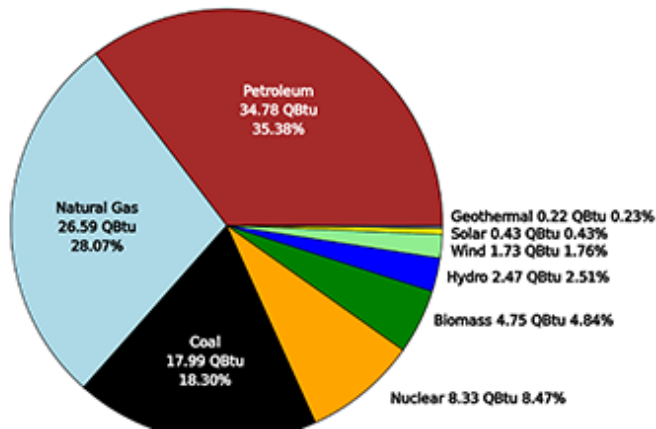
Renewable Energy

We use electricity every day. But a lot of this electrical power comes from sources that will soon run out. We have new ways to get power, though! **Renewable energy sources** can never be used up. The world is starting to use renewable power instead.

Non-renewable vs. Renewable

Energy can be produced from two different categories of sources. Some energy sources are **non-renewable**. They are limited and will eventually be used up. Non-renewable resources include **coal** and **oil**. Renewable energy sources include wind, sunlight, and water.

United States Primary Energy Consumption by Source (2014)



Benefits of Renewable Energy Sources

Renewable energy sources will not run out. We can get enough energy from the sun to power all our buildings and cars forever.

Renewable energy is also better for the environment. Non-renewable resources release gases that make the earth hotter. Renewable energy sources do not produce these gases.

Wind Power

Anyone who has been outside in a storm knows the power of the wind. **Wind turbines** have blades that spin around in the wind. When they spin, it makes electricity.

Solar Power

The sun's rays can also be turned into electricity. Devices called **solar cells** can make electricity any time the sun is shining on them. Many cells collected together can provide enough electricity to power an entire building.



Power Generated from Water

Another natural force that can create electricity is water. This is called **hydropower**. It uses the energy in flowing water to create electricity. You need to have a large river to make hydropower.



Hydroelectric plant making power from the energy of water

Many people hope new technology will make people use renewable energy in the future. This will make sure we have enough energy in the future.

NJLSA.RI2: Main Ideas & Themes

What is the main idea of the text?

Solar energy is easier to make than wind energy.

Renewable energy sources help meet our energy needs and are good for our planet.

Renewable energy costs a lot of money.

Only some of the energy used in the U.S comes from renewable energy sources.

NJLSA.RI2: Main Ideas & Themes

What is the main idea of the section 'Solar Power'?

Ocean waves have a lot of energy.

The U.S. uses mostly non-renewable energy resources.

Light from the sun can be used to create energy.

Finding oil is a difficult process.

NJLSA.RI2: Main Ideas & Themes

Which of these text details is the most important?

Anyone who has been outside in a storm knows the power of the wind.

Renewable energy sources will not run out.

You need to have a large river to make hydropower.

Many cells collected together can provide enough electricity to power an entire building