

“The Stories of Energy” Video Series

Highlights

Since our ancestors learned how to drill to make a fire, energy has become the driving force for human civilization. From the first use of coal and oil, to the generation of electricity, has made a great leap in world civilization. With the increasing influence on society and economy, energy is regarded as a major factor that enhances the development of a nation’s economy and destiny especially after the Industrial Revolution.

Energy exists in the environment where we are living in. It can be divided into two categories - primary energy and secondary energy. Primary energy, including coal, petroleum, and natural gas, can be obtained directly from nature, which becomes the three major components of energy nowadays. Primary energy also includes hydropower, solar, wind power, geothermal power, oceans, biomass and nuclear power etc. Secondary energy is transformed from primary energy, such as petroleum gas, gasoline and electricity. Primary energy can also be divided into two sub-divisions - renewable and non-renewable. However, coal, oil and natural gas are non-renewable resources that will exhaust eventually. Renewable resources such as solar, wind, water, geothermal, and ocean energy are available and affordable.

Without efficient usage and energy conservation, energy will be exhausted gradually. It is known that the reserves of oil will be depleted within 40 to 50 years, while human consumption of energy continues to grow. Therefore, it is vitally important to increase energy efficiency and discover new energy.

To achieve this goal, scientists from all over the world have been endeavored to explore. In the near future, the development and usage of solar, wind and biomass power will benefit the whole world. With more and more new energy sources have been found, such as the flammable ice, the sustainable development of human society will be strengthened evermore. .

However, even the renewable energy sources are not infinite. Using energy sources more efficiently and economically will play a major role in fueling our future.