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Magazine Article

Using Wind Energy or Solar Energy the Future Life?

Hello readers who are reading this magazine article. This article will introduce you to two different types of energy sources. They are wind energy and solar energy.

At the beginning of this article I will give the reader the background. In the twenty-first century, a very difficult problem for human existence is energy. For example, in several hundred years, petroleum energy will be exhausted and people will need to find some other energy source to replace it for necessary productive work. This will require something else that can replace oil energy. Wind and solar energy are two very good clean energy sources. Clean energy means energy that does not cause environmental pollution. In addition, I will give my opinion. Wind energy is better than solar energy. Wind energy is more suitable for the future of human beings than solar energy. Additionally, I give the reader two views (Economic Efficiency and Objective Conditions of Use) to explain my opinion.

First, an introduction to these two forms of energy expression will be shown. As the name suggests, wind energy is a way to generate electricity by converting the kinetic energy of the wind. For example, like using a hand-cranked engine, the fan blades are made to turn by the blowing of the wind. The energy from the rotation of the fan blades generates electricity. It can be used to generate electricity in life. It's really amazing! In addition, solar energy is the absorption and conversion of solar radiation through solar panels, the energy into electricity. In layman's terms, this is the conversion of energy such as heat radiation from the sun shining on top of a panel into electricity that we can use. Both of these sources are ideal for clean energy. These two sources of energy are also known as renewable energy sources. Today, both wind and solar energy are widely used, and wind energy is popular for its ability to generate electricity whenever and wherever it is needed.

You can see many wind power installations in the northeast and northwest of China. Solar energy can only be used during the day, but it is not affected by much of the atmosphere. So, the debate about whether to use wind or solar energy has never stopped.

After introducing the background and a superficial introduction about the two energies. Here I will give the reader two views and perspectives (Economic Efficiency and Objective Conditions of Use) to show you why I think the use of wind energy is superior to solar energy.

Here I will explain to you what "Economic Efficiency" is." Economic Efficiency" refers to the economic efficiency of wind and solar energy. Let me give you a simple and clear example. Whoever produces more energy for the same cost has a higher "Economic Efficiency". Let me give you another concrete example. If A produces more energy than B for the same amount of money, then we can assume that A is more economically efficient than B. This is "Economic Efficiency". This is what "Economic Efficiency" means. This part of the conclusion can be drawn by comparing the data on "Economic Efficiency" for the two types of energy.

Next, let's look at the data for both types of energy.

The first is the lifetime of use. Wind energy is about 40 years [1] and solar energy is about 10 years [2]. Then we compare the conversion efficiency of the two energy sources. The conversion efficiency is reflection of the conversion capacity, and if something has a high conversion efficiency, it means that it has a higher actual value. A high conversion capacity means that the thing is more capable. Wind energy is 30% is 5% more than solar energy's 25% [3]. We can clearly conclude from the comparison of these two figures. Wind energy lasts four times longer than solar energy and has a higher conversion capacity than solar energy. From this we can clearly see that the capacity of wind energy far exceeds the capacity of solar energy. This means that wind energy may be more suitable for human life in the future.

Then I would like to talk about the understanding of the part "Objective conditions of use". By reading the next part you should have a better understanding of why I think wind energy is more suitable for future use in life.

In this paragraph I will explain what "Objective conditions of use" is. Objective conditions of use" means what are the conditions for using this kind of energy. Each type of machine has its conditions of use. Machines that can convert wind and solar energy into electricity or other energy sources also have conditions of use. For example, temperature and initial energy conditions (the intensity of the wind and light required for wind and solar energy). As a simple example, if you put your phone at -30 degrees (Celsius), it will be very difficult to turn it on. That's how it works.

After explaining what "Objective conditions of use" are. I'm going to explain some data. In order for the reader to understand my point more quickly. First of all, the temperature for wind and solar energy is -20°C [4] and -30°C [5], respectively. And the initial condition for wind energy is an effective wind speed of 2m/s [6]. However, the initial condition for solar energy is at least four hours of light [6]. It is easier to meet both initial conditions for the use of energy in the thermal field life but by my understanding of these two conditions I think that wind energy is more convenient to use. The reason is that wind energy can be used in all four seasons. However, solar energy cannot be used perfectly all year round. For example, in the summer, it rains a lot in northeastern China. Cloudy days will not meet the conditions for solar energy.

At the end of this magazine article, I would like to make a short summary. I think wind power is superior to solar power. We started by introducing the two types of energy and illustrating my point of view. This is followed by a summary of the argument that wind power is superior using two perspectives. We also used some experimental data to illustrate the reason for this.

In conclusion, wind energy is more suitable for future life than solar energy. Thank you for reading. If you have any ideas I hope you can contact me by email (17702439521zyx@dlmu.edu.cn).

Work Cited

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