

Reading passage: (reading time 3 minutes)

Although it's a new technology, solar energy provides benefits to the entire world. First, solar energy eliminates our reliance on non-renewable fossil fuels. Additionally, solar energy is non-pollutant, which makes it better for everyone. Finally, there is almost no maintenance as solar panels have a long life span without regular maintenance. So, the benefits seem to be overwhelmingly positive and supportive of further production.

The first benefit is the ability for solar energy to reduce reliance on fossil fuels. Many sources of energy are renewable only over millions of years. Unfortunately, humans consume those faster than they are produced. Solar energy could be a replacement for non-renewable sources as a perpetual source of energy. Thus solar energy can become a new energy with no legitimate fear of overproduction.

Another benefit is the non-pollutant aspect of solar energy. Burning fossil fuels is known to produce deadly pollution, while solar energy produces zero harmful byproducts. While current energy sources produce disgusting smells, sounds, and visuals, solar energy produces nothing offensive. Therefore, when considering the health of the planet, the lifelong health benefits of solar energy are unparalleled.

Finally, solar energy has low costs. The cost of solar panels is a one-time purchase. Also, after installation, the lifespan of a solar panel is thirty years. After the initial cost, the solar panel will cost almost nothing. This is a benefit to personal finances, but also peace of mind since there is no worry about rising prices or lack of resources.

In conclusion, these benefits provide support for more people to consider switching to solar power. Both the renewable aspect as well as the non-polluting aspect means that there will be added benefits for individuals, cities, and the planet. The low lifelong cost of installation and maintenance provides a lifetime of benefits. Thus, solar energy looks to be one of the world's great ideas.

Transcript of the lecture:**Professor:**

Ok class, today we're going to talk about solar energy. That's right, energy we get from the sun. Aside from the typical advantages such as renewable clean energy, there are other less thought of considerations for renewable energy. We'll rehash some of those important ideas and other concepts such as offset production, multifaceted uses, and financial benefits.

One argument for solar energy use is clean renewable energy. Unfortunately at this point to produce solar panels we need to use fossil fuel energy. Is the energy used worth the energy gained? In five years, a solar cell will produce more energy than was used to make it. Given the lifespan of a solar cell this offsets the production cost of consumption.

The second point today is the multifaceted uses for solar energy. There are more uses than just clean energy. The privatization of energy means that a person controls their energy output and where it goes. Solar powered water heaters are designed to optimize energy use so that people aren't wasting money and energy. This is a benefit to the consumer concerning health and finances.

Our final point for the day, the financial benefits of solar. You're paying for the panels, but that's all. On top of that, some people have been able to acquire so much energy that they sell their excess power to energy companies. Also, there are tax incentives that help offset the cost of installation. At that point, the financial benefits are amazingly compounded.

So let's recap really quickly. The benefits of solar energy are renewable clean energy with a lifespan that outweighs the energy production costs. The energy produced can be used in multiple ways by consumers, while the benefits of selling energy or receiving tax benefits makes this an obvious choice. So what exactly is keeping people from making the move to solar energy?

Question: Summarize the points in the lecture, being sure to explain how they address the specific ideas about solar energy described in the reading passage.

Sample Answer:

The reading passage and the lecture talk about solar energy and its benefits. The author as well as the lecture agrees to almost everything and it is like one has redrafted the words of the other one. In the following paragraphs, I am mentioning the points one by one.

Firstly, the passage describes that solar energy reduces the load on fossil fuels and produces energy. Humans consumed renewable sources of energy over the years and it highlights the fear of reproduction. Although, solar energy is a non-renewable source of energy and it can reduce the reliance of mankind on fossil fuels. The professor agrees to it and mentioned that solar energy is offset production and is the renewable clean energy. He also mentions that the energy used is worth the energy gained.

Second, the article states solar energy as non-pollutant. Fossil fuels are known to produce deadly production. The professor also supports this point and claims that solar energy can be used in various sectors without the fear of pollution.

Thirdly, the article states that the cost of solar energy is remarkably low. After installing solar panels also the life span of the panel is so much that the entire money invested is worth utilizing. The professor in the lecture supports this point by mentioning that it is the biggest benefit. He adds that some people install solar panels and they have access to energy produced and end up selling extra energy to other sources.

In all, the crux of the passage and the lecture remains the same. Solar energy is a non-renewable source of energy and looks to be the world's great ideas.