

WIND ENERGY

By [name removed]

Wind energy is everywhere. As long as the sun is shining we will always have wind to rely on. This is why it is such a good source of energy. Some benefits of wind energy are that it doesn't use water or other natural resources. Unlike other energy, wind doesn't pollute the air or cause pollution. Wind also doesn't need to be transported. Wind is also renewable and doesn't take space. Because it is clean, energy efficient and doesn't take up much space, wind energy is the best fuel for our future.

Wind energy comes from the sun. In warm areas the hot air rises making a decrease in air pressure. The surrounding air is sucked up to replace the rising air which creates wind. When the wind spins the turbines they turn a generator which makes energy. Wind energy started with windmills which were used for pumping water and grinding grain. Now wind turbines are used to generate electricity.

One of the advantages of wind energy is that there is no pollution. There is no pollution because wind uses no fossil fuels like oil or gas. We are also using the wind that is already there so we don't need to break

down fossil fuels to get the energy. There are no by products to wind, unlike coal which is a fossil fuel and creates pollution.

Another advantage of wind energy is that it's cost effective and it does not need to be transported. Wind energy doesn't cost as much as other fuels because it is a domestic source which means that we can get it in the United States which makes it cheaper. Wind energy costs between four and six cents per kilowatt hour. Fuels like coal need to be transported in a truck to go to the power plant that makes energy. Wind energy can be transported through only wires. Wind energy is also sustainable because it will never run out.

Wind is caused by the sun, so as long as the sun shines the wind will blow. Sustainability means that we can never use it up. While coal will run out, we can switch to a renewable energy now.

There are also some disadvantages to wind power. One of the disadvantages is that the wind doesn't blow all the time. However, scientists can turn the electricity produced by wind into compressed air or they can store it in batteries. That way we can always have wind energy even if the wind isn't blowing. Wind turbines can also cause noise disturbance or visual pollution. People say that the turbines are blocking their view. This isn't a major concern because wind farms are usually away

from populated areas where no one can hear them or see them. The last disadvantage to wind energy is that it kills birds. Wind turbines kill between 214,000 and 368, 000 birds per year. This is a very tiny amount compared to the 6.8 million bird deaths from cell and radio towers and 1.4 billion to 3.7 billion birds getting killed from cats. Climate change from fossil fuels is a lot more dangerous for birds.

Wind energy is a good source and will be the best fuel for our future because it is clean and uses no fossil fuels. Wind energy has no pollution, it is sustainable, and it is cost effective and does not require transportation. Although the wind doesn't blow all the time, we can turn the wind into compressed air and store it in batteries. Even though the turbines cause noise disturbance, the turbines are in remote areas. Despite the fact that the turbines kill birds, they don't kill a lot of birds compared to the other dangers to birds. Wind energy matters because if we use it instead of fossil fuels our earth will be a better place. Wind won't cause global warming and the air will be clean.