

Alternative Energy

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Alternative Essay

The United States of America has one of the biggest carbon footprint (how much carbon dioxide we pollute into the atmosphere) worldwide. So we need to find alternative energy sources before our air is taken over by greenhouse gases. By using solar and wind energy instead of fossil fuels we can greatly reduce our carbon foot print. In Marlborough solar energy would be the best alternative energy to use. But first we need to understand why we need to use alternative energy.

Worldwide we need to use more alternative energy. Our atmosphere is being taken over by greenhouse gases. Greenhouse gases are gases that are given off into the atmosphere when we burn fossil fuels. Greenhouse gases weaken the atmosphere so in some parts of the world the sun's rays are more direct then they have ever been. Global warming is problem because some parts of the world like the Artic the ice is melting is earlier than ever so the polar bears and other animals have nowhere to live. Another reason we need to use alternative energy is that we are running out of nonrenewable energies we depend on. These include coal, fossil fuels, and oil. If we create a way to use renewable energy like solar and wind we won't have this issue because we will always have it. The last reason we will need to use alternative energies is because if we stop using energy like fossil fuels we won't have to import it from different countries which

means a smaller bill for United States. The next step is learning about some different alternative energies like wind power.

Wind energy is kinetic energy that is being converted into electric or mechanical energy. Wind energy is becoming more cost efficient with the rising oil costs. Wind energy also is renewable energy and doesn't pollute the earth. This is a positive idea because our planet is very polluted and the United States has one of the biggest carbon footprints. To get the wind energy the wind is first "gathered" by wind turbines that usually look like modern wind mills, then the wind is converted to electricity that people can use. Wind turbines are the only cost of wind energy which makes them very affordable. The usage of wind energy is also creating new jobs, which the United States needs in the recovery of the economy. In the United States, 4.5 million houses are using wind energy for electricity, this is important to know because we need to know if we can supply every one with this alternative energy and if some Americans are already using wind energy successfully it can encourage more people to use this alternative energy. Another good alternative energy is solar power.

Solar energy is energy that is obtained from the sun that can be used for a number of different things such as, heating and electrical energy. Solar energy is also an alternative energy the United States of America should consider because it does not pollute the earth and it will always be available. People can also use it without expensive solar panels. Solar energy does not need to be refined which is important because many oils and fuels we use need to go through a process of purifying which is expensive and means solar energy is a clean energy. Another positive note about solar energy is we will always have it. The sun's rays will always hit the solar panels and create energy people can use. In some parts of the world they have even learned how to install a way to use the sun's power with solar panels. An engineer at MIT has created the

solar light bulb. To make the bulb all one needs is an empty plastic bottle. Water and a small amount of bleach is put into the bottle. Then the bottle is put in to a hole in the roof. Sunlight hits the bottle and the effect it has on the water inside lights homes in places like Manila, Philippines. Even though the bottles only give off a little light and don't work at night they are working for people in rural areas that have never had a way of getting light inside their homes. You may be asking now which renewable energy will work best for Marlborough.

I think the best alternative energy Marlborough could you use is solar power. I think it would be easier to generate more power with solar panels then wind turbines because there are hills in Marlborough so that blocks the wind. I also think that solar panels will fit better with the area because there isn't a lot of extra space to put enough wind turbines to power the city. I also think that the Marlborough community would rather have solar panels on buildings rather than large wind turbines that take away from the beauty. Those are just a couple reasons I think solar energy would work better for Marlborough than wind energy.

Using alternative energy could really reduce the amount of greenhouse gases we put in the atmosphere. By finding these alternative energies like solar and wind we can really make a global impact for our planet. In Marlborough solar would be the best alternative energy and that would reduce our carbon foot print greatly as well. But to fix all these problems we need to understand alternative energy.

Sources:

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