

To: ebrosseau@town.bonnyville.ab.ca

Subject: Shifting towards solar energy

Dear, Mrs Elisa Brossa

Hello, my name is Jordan Cornet and I am a 9th grade student at Bonnyville Centralized High School. I have recently been researching different types of renewable energy and I wanted to share my opinion with you. Solar energy generates power by using sunlight to create electricity, mostly through photovoltaic effect or by concentrating sunlight to generate heat. I think the town of Bonnyville should lean more towards solar energy because it reduces carbon emissions, reduces respiratory and cardiovascular health issues, and can generate electricity in any climate.

There are many benefits to solar energy. One reason being reduces carbon emissions, meaning it reduces the release of carbon dioxide into the atmosphere. Oxygen is bad for the atmosphere because it can cause temperature rise. By reducing this, we can have a safer and healthier environment. With less carbon emissions, it can also improve air quality and protect ecosystems. This can also involve reducing greenhouse gases by replacing traditional carbon intensive energy sources like fossil fuels. Some disadvantages could be the space that is need for the solar panels and the aesthetic of them. But there are ways to make them less noticeable, depending on how and where they are placed.

Another reason why solar energy would be beneficial is because of our respiratory and cardiovascular health. Cardiovascular health is the health of heart and blood vessels. Like I

mentioned before, this can improve the air quality and make a cleaner environment, allowing people's ability to do things. For example, they can improve their running stamina, their endurance, and overall improve the heart.. Solar energy reduces air pollution, making it easier on peoples lungs. 4.2 million people have had premature death worldwide because of the air pollution, about 68% of people have a cardiovascular disease and died. Choosing to switch to solar energy can save people's lives.

Solar energy has another advantage of being able to generate electricity in any climate. This means it is more of a reliable source and people have to worry about it not working. Even on snowy and cold days it still works. This is also an advantage because solar panels can still generate power when the sun is partially covered by the clouds, and continue to generate electricity like normal. Some may think that cold weather might wreck or cause a malfunction in the solar panel but it can actually raise the panels efficiency. Especially living in Alberta, the weather is colder here. The only disadvantage about this, is that they only generate electricity and not heat. But the electricity is reliable and is a good option for Alberta.

Thank you, Elisa, for taking the time to read my suggestion for switching to solar energy. There are going to be some minor disadvantages, but there are more advantages for people's health and reliability. I hope you can consider my opinion and hopefully improve not only the town of Bonnyville, but all of Alberta as well.

Yours truly, Jordan Cornet

*(Compare and Save on Clean Home Energy Solutions, n.d.)*

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