

To Recipient: ebrosseau@town.bonnyville.ab.ca

Subject: Shift Towards Renewable Energy Source

Dear Ms. Brosseau,

Hello, my name is Oliver Flett, and I am a citizen of Bonnyville, Alberta. And I am composing this email to offer you knowledge about a renewable energy resource that I believe would benefit our community. I understand, due to our long histories with natural gases and coal, that switching would prove a difficult feat. However, in doing so, we could provide our town with a sustainable and clean source of power. Introducing Bonnyville to the world of nuclear energy would surely better our town in the present and well into the future. And with this email, I will hopefully enlighten you on the advantages and pros that we will receive if we take the opportunity of transferring to the power source of nuclear energy.

Pollution and horrific air-quality contaminates the world in which we live, harming our environment and ecosystems that inhabit our diverse land. Being exposed to such emissions and fumes affect our health daily leading to much larger issues in our future. This is caused by the fossil fuels that we use to power our towns and cities, we sacrifice the habitats and our own health to produce electricity to power our televisions and computers. The heat produced by these natural gases scratches the atmosphere and creates carbon dioxide releasing greenhouse gases, resulting in climate change. When will the many deaths of ecosystems stop us? Will we ever realize the true risks we are creating for ourselves? Or for the future generations of our province, our country? These are the questions that should be attached to our minds. With much cleaner

energy sources we can lower the amount of emissions we put into the earth. Nuclear energy is that clean energy source, it can protect our air quality by producing massive amounts of carbon free electricity (Smith). Nuclear plants generate no greenhouse gas emissions during its operation, and during the entirety of its life-cycle (Advantages And Challenges of Nuclear Energy), when in contrast, fossil fuels produced 549 million metric tons in 2023 alone. Without nuclear energy the Canadian government has stated there is no path to meeting its 2050 goal of net-zero carbon emissions (Nuclear Essential- World Nuclear Association). The lives of the future deserve to breathe, and not have to suffer because of our wrong choice of power.

Having a resource that remains in a balance of cleanliness and effectiveness is something that we should want to achieve. And with nuclear energy that achievement can be met. Through its robust system it can provide a realm of control, creating continuous electricity that adapts to variations of what electricity demands (Orano- 7 Good Reasons To Turn To Nuclear Energy). With this control and stability of its associated grid, nuclear power contributes significantly in the action of supplying electricity in hospitals, in businesses and many homes (Orano- 7 Good Reasons To Turn To Nuclear Energy). This sense of efficiency and control is not at a high price, nuclear energy is one of the least expensive sources of our generation (Orano- 7 Good Reasons To Turn To Nuclear Energy). In addition, we can recycle used fuels to produce new fuels, replacing the loss of natural resources that would have had to have been used on such a process (Orano- 7 Good Reasons To Turn To Nuclear Energy). Nuclear energy as a power source is efficient and stable, this source can be reached, it's just at our fingertips.

Ultimately, Mrs Brosseau, nuclear energy as stated will be beneficial to many here in Bonnyville. The use of nuclear energy as a power source could be a great advantage for us. I would like to say thank you for taking your time to read this letter. It will make a huge difference. If you take these suggestions into consideration. Thank you once again for your time, I look forward to hearing your thoughts on this issue.

Sincerely,

Oliver Flett.

Work Cited

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www.energy.gov/ne/articles/advantages-and-challenges-nuclear-energy#:~:text=Nuclear%20energy%20protects%20air%20quality,medical%20field%20to%20space%20exploration.

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