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Dear Massachusetts Department of Energy Resources

This is Henry James Deloach a student from New Mission High School in Boston, Massachusetts and I want to bring to you a problem that has been prevalent for a very long time, climate change. We all know what it so there is no need to explain what it is but I can talk about the effect of it. These effects include temperature increase worldwide, melting of the polar caps and for people it will cause the likelihood of getting diseases. While these are very bad events that are taking place and hurting our planet but there is a solution, using solar power to generate our power instead of using resources that release greenhouse gases.

Climate change as we know is damaging our planet and has done so for a long time. One of the major causes of climate change is the increase in greenhouse gases. Which is damaging the ozone layer which will cause more of the sun's lethal rays to impact the Earth causing what we call climate change. People are dying because they either can't handle the condition from the temperature increase or the coastal areas such as Florida who are attacked by hurricanes from the melted slopes from the frozen areas, for example, the South pole. If greenhouse gases emissions continue unchecked, scientist says, the global warming could ultimately exceed 8 degrees Fahrenheit, which would undermine the planet's capacity to support a large human population(Gillis, 2017). We as a nation have ignored this problem long enough and we as a nation need to stand up for what is right and stop using resources that are increasing our use of greenhouse gases.

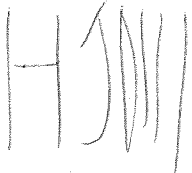
We as a state need to switch to stop using fossil fuels which emit toxic greenhouse gases and solar power is the best renewable resource to use because of the many different benefits it has towards people. That means renewable energy sources can help reduce the amount of greenhouse gas emissions we put into the air. Wind power and solar power are fairly self-explanatory; they use the power of the wind or the sun to generate electricity (The Alternative Daily, 2016). Renewable resources can reduce one of the biggest problems in the world aka greenhouse emissions and solar and wind power can be these renewable resources. As we know greenhouse gases are destroying our atmosphere and the use of solar power reduces that chance to destroy everything. "But one of the coolest things about having your own renewable source of energy is that you're independent of neighbors or the utility company. This means everyone else could be experiencing a brownout in the summertime while you're using the power of the sun to keep cool (The Alternative Daily, 2016). One of the most important things to consider is the effect it will have on people. The cost of solar panel installation is decreasing every year. In hotter states, solar power can even earn individuals extra money if their energy output outstrips what they're consuming. On a broader scale, solar power is playing a role of increasing importance in the U.S. electric system. In fact, Science Daily claims that solar power could deliver \$400 billion in environmental and public health benefits throughout

the United States by 2050 (Faulkner, 2019, para. 10). Not only does utilizing solar power improve the money situation for most people but also the health of the people and this is not short term, this switch could last for almost 30 years.

While people can talk on and on about the benefits of using renewable resources the question we need an answer is, what do we do? Well first we need to tell the people in the state of Massachusetts the benefits of using solar power but we need to take action. First, every new building that is being built needs to have a built-in solar power generator in the roofs. This would fully utilize solar generators across Boston and those houses should be built all over Boston first then all over Massachusetts. Next switch all sites that burn fossil fuels to switch to solar power generators since the cost for building them will decrease and we stop creating fossil fuel creators we as a state should have enough to create enormous amounts productively. Moreover, if we create at a fast rate and productive rate we as a state could make a big difference in the greenhouses emitted.

To sum up, we have one world and we as a state need to do our part to make a change. Whether to use solar power as a primary source of energy or using a different renewable resource, we need to make a change in the fuel we use because it is damaging our planet. We could wait for the answer to fall into our laps or we could take advantage of the opportunity we have and begin the change that the rest of the United States will follow. Looking forward, we need to maximize the production of the solar power generators across first Boston then totally across Massachusetts. I hope you take what I have written to you into consideration

Sincerely,



Henry Deloach

06/05/19

Bibliography:

Climate Change is Complex. We've Got Answers To Your Questions. Justin Gillis.

<http://www.nytimes.com/interactive/2017/climate/what-is-climate-change.html>

Sunrun. (2018, November 29). 5 Advantages of Solar Power | Solar Benefits. Retrieved May 4, 2019, from <https://www.sunrun.com/go-solar-center/solar-articles/5-advantages-solar-power>

Faulkner, B. (2019, March 23). Solar Power: Good for the Environment and Human Health. Retrieved May 20, 2019, from

<https://healthcareinamerica.us/solar-power-good-for-the-environment-and-human-health-6061a20f5117>

Brancucci Martinez-Anido, C. (2016, February 17). The value of day-ahead solar power forecasting improvement. Retrieved May 20, 2019, from

<https://www.sciencedirect.com/science/article/pii/S0038092X16000736>

The Alternative Daily. (2016, March 23). 6 Benefits of Renewable Energy We Need to Consider. Retrieved May 20, 2019, from

<https://www.thealternativedaily.com/benefits-of-renewable-energy/>