“Climate change is happening, humans are causing it, and I think this is perhaps the most serious environmental issue facing us.” This is a quote by scientist Bill Nye, you know…. the science guy. Hello, my name is Ashlyn Szabo, and I am going to be talking about climate change, its effects on Norway, and how we can reduce the effects of it.

Norway, in the recent decades, has been struggling with climate change. This is a direct effect of air pollution caused by the burning of fossil fuels and release of greenhouse gases, such as carbon dioxide, into the atmosphere. Climate change can lead to many natural disasters such as floods, hurricanes, and wildfires. Not to mention, it also affects wildlife. Clearly, climate change is very bad for the environment, and the problem needs to be addressed. Currently, Norway is using hydroelectric power to try to help their country. Many Norwegians have turned to using electric cars such as Tesla and Prius. These cars use clean energy that is safe for the environment. Also, Norway and the European Union made the International Paris Agreement on climate change. They both have committed to a 40% decrease in greenhouse gases. In order to stay true to this policy, Norway needs to find more ways to cut back on burning fossil fuels. Another way they can do this is by installing windmills.

The product we have come up with is a personal windmill. It is called “Rooftop Windmill.” Our slogan is “Save the environment and buy a windmill. It’s a breeze.” Our target market is any household owner, or building owner. The windmills can be placed on top of any building, whether it's a workplace or a house. Here is a model of what the windmill may look like. Instead of being made out of cardboard, the official product would have carbon fibre and plastic blades, and the base would be made out of steel. Typically, a personal windmill costs anywhere from 15,000 to 75,000 dollars. Our windmill would be costing around 10,000 dollars, because the carbon fibre and plastic

would be cheaper than the steel. It will be an investment, but in the long run, it will save both money and the environment.

This is how it works. When the wind comes, it will spin the blades. The wind power will transmit energy into the motor. (and yes, the motor is perfectly safe for the environment) Then from the motor, energy can be then transferred through a wire and give electricity to the house. This little device I have here can determine how much energy is given off. When I make the windmill turn, you can see that it gives off energy.

The rest of the model shows what a typical Norweigan household may look like. It kinda looks like a farm, but many people in Norway have red houses and animals. All of the animals on this display would be found in Norway.

Here, I have a pamphlet that you can look over. It has everything you need to know about this amazing windmill. Once again, my name is Ashlyn Szabo. Thank you for your time. Please feel free to ask any questions you may have.