

Eric Hampton

Junior Division Energy & Transportation

The Green Voltage Generator

My project is The Green Voltage Generator. I chose green because it runs off a renewable resource, water. My project is a brief overview of a hydroelectric generator. Like Niagara Falls, it generates a lot of electricity just like my project. In my project, I was testing to see that if I changed the rate of the magnets spinning, if the voltage will change. With my project, when you are increasing water volume, you are making the spoons/magnets spin faster to move the rotor disk faster to increase the voltage. My project was concluded that if you do increase water volume, the magnets do spin faster and the voltage does change. Also if you decrease the rate of the spoons/magnets spinning, it can decrease the voltage so it can go either way.