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MY SOLAR GRID INVENTION IDEA

I am writing this to share my Solar Grid Invention Idea, but first what does it mean to invent: To invent is the ability to have interesting ideas and create new things. In Nigeria, there is a lack of steady electricity generation and distribution, there is also an increase in distribution tariff and in most states, we have only one major electricity generator and distributor. I am not saying that the dam is bad, it is one of the cleanest and eco-friendly sources of electricity but it is not enough for the whole country and if we can address the issue of electricity, we can improve the standard of living for every Nigerian and create more economic opportunities for the everyday Nigerian.

In this essay, I would be talking about a solar grid that can work as another electricity generation source for Nigeria to supplement what is being produced by the dams especially during the day. In addition to this, we will be able to phase out the transmission poles and install underground transmission lines, which can only be modified by the distribution company. There will also be higher quality transformers to better control voltage and one of the major advantages of my invention is that it is ecofriendly and powered by renewable source of energy.

This Solar Grid is set up. When the solar panels are in use, they need to be cooled in order to maintain operational efficiency. The efficiency of the panels drops as their temperature increases, so in addition, I will implement a cooling system which will evolve in two ways -- one way is by piping the cold water through the panels which will increase the temperature of the water. This hot water can then be piped to residential areas for domestic use, or we use a method I call Water Renewing method and how it works is that the hot water that comes out of the panel goes through radiator pipes which reduces the water temperature and then is channeled back to cool the panels. With these methods, the generation plant and distribution company can ensure proper maintenance of the panels and guarantee Nigerians a steady supply of electricity.

In conclusion, I would state that using my solar grid invention idea and dams can help in electricity generation around the country, and the underground transmissions lines can help with electricity distribution by protecting the transmission lines in case of rain incidents due to car accidents and vandalism. Therefore, I hope that using my solar grid invention idea will help our country, Nigeria.