

University of Puerto Rico

Humacao

SDG Goal 7 Essay

Affordable and Clean Energy

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Every person in this world has asked what energy is. This is the ability of the matter to produce work in the form movement, light, heat, among others. There are several types of energy, such as nuclear or atomic energy, hydraulic energy, among many others. But the most used by society is electricity. Many people use this energy to satisfy their needs, others for entertainment. But they have been forced to change much of this energy to solar energy, using solar panels in the house. In order to save in a great way.

After Hurricane Maria, Puerto Ricans should have the independence of the PREPA. There is an importance of a “off-grid” system with batteries for storage in case of emergency. For many families, not having electric service in their home damaged the mental health of their loved ones due to the lack of hospitals and medical services that were on the island after the event. While, for other families, the absence of electricity meant losing a loved one under the worst conditions, without the ability to provide temporary comfort in their last moments on this earth. With the use of intelligent technology to monitor consumption and costs efficiently, it is estimated that a solar change in developing countries can save up to 80% of the energy costs attributed to the burning of fuels and fossils.

Microgrids offer resistance or durability to residences, communities and businesses. These are a collection of energy resources distributed in a local region that work together but simultaneously allow the facilities to work separately in their own versions of the network. These use control technology that allows intelligent management and optimization of the generation in

the locality as a whole of storage resources, allowing businesses to automatically make decisions that provide economic benefits and economic resilience.

The reality is that in most cases the solar energy shines by itself, although rare is being optimized. Predominantly, the solar energy ends up being economical because it compensates the annual expenses between 5% to 100% while the incentives of taxes tend to be an option that reduces the total cost of the equipment. Also, solar systems reduce the CO₂ emissions released to the atmosphere compared to fossil fuels, fulfilling all corporate and governmental sustainability goals.

The ecological conditions of Puerto Rico are being increasingly deteriorated because the delicate balance that has given life of million species, are in total imbalance primarily as a result of human activities. For thousands of years the human being had a minimal impact on the environment, however, with the discoveries and processes developed during the Industrial Revolution led to circumstantial increases in pollution levels. Activities such as the processing of minerals and fossil sources to energize heavy machinery, which not only alter ecological systems during their extraction, but also emit harmful gases during their use. The massive deforestation processes to open spaces to large cities and for the development of a livestock sector capable of feeding the growing population wave, also emits massive amounts of methane, all are some of the reasons why carbon dioxide (CO₂) it shot itself.

Thanks to use of solar panels, people have noticed the performance in their economic saving. Being satisfied with the change in his life. Is has been seen that the use of solar energy has helped the environment in a spectacular way. Avoiding big problems in our Community.

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