

Advantages and Disadvantages of Hydroelectric Energy

Authors : Esther Ushike Akashie

Abstract : No matter who you are, where you are from and irrespective of age and gender, there is a universal need for power and energy. Every year, this need grows even more urgent the more scientific and technological inventions advance. Due to this fact, we find that majority of the research related to energy and power has been focused on finding new and innovative ways to produce power. Furthermore, we observe that because of the environmental state of our world today and the impact of climate change, one of the most explored routes of study has been the use of renewable energies. In this paper, we will be looking at one of the oldest forms of renewable energy, hydroelectric energy. First off, an overview of its history, sources, technical aspects, and applications will be evaluated. After which, we will then proceed to understand the main benefits and drawbacks of this form of renewable energy and offer insights on how it can be better utilized in our world today.

Keywords : hydropower, hydroelectric energy, advantages, disadvantages

Conference Title : ICHH 2022 : International Conference on Hydroelectricity and Hydropower

Conference Location : Amsterdam, Netherlands

Conference Dates : February 07-08, 2022