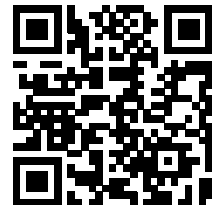


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Hydroelectric Power



The _____ shines down on the earth, providing energy to the water cycle. This cycle causes water in rivers to flow, which can be harnessed for _____. One of the most common ways to do this is through hydroelectric power plants. These plants use a _____ to store river water in a reservoir. When energy is needed, water is released from the reservoir, flowing through a _____ and generating electricity.

The process of generating electricity from water is known as _____. It is a renewable source of energy because the water _____ is continuous, powered by the sun. Unlike fossil fuels, hydroelectric power does not produce air _____ or greenhouse gases. However, building dams can have a significant impact on local _____ and communities.

Hydroelectric power is the largest source of renewable electricity in the _____, providing about 16% of the world's electricity. It plays a crucial _____ in reducing reliance on fossil fuels and combating climate _____. Countries with abundant water resources, like Canada, Brazil, and Norway, generate a large portion of their electricity from _____.

Despite its benefits, there are challenges to hydroelectric power. The construction of large dams can displace _____ and harm local wildlife. Also, changing climate patterns can affect river _____, impacting the reliability of hydroelectric power. To address these issues, there is a _____ on developing smaller, less invasive hydroelectric projects and improving the efficiency of existing _____.

change energy hydropower focus hydropower ecosystems flows
pollution cycle sun world role people turbine dam plants