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Hydropower Is A Mature And Fairly Simple Technology: The Potential Energy Of A Water Source (characterised By Its Head And Mass Flow Rate) Is Converted Into Kinetic Energy That Spins A Turbine Driving An Electricity Generator. The Kinetic Energy Of Falling Water Was Used For Grinding Wheat More Than 2 000 Years Ago. 6th, 2024

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- Current World Hydropower Production (2006) ~ 3000 TWh -- About 20% Of The World's Electricity And About 88% Of Electricity From Renewable Sources ~ 777 GWe Of Capacity In 150 Countries • US Capacity 100,451 MWe (2009) 17 78,951 MWe Conventional Hydro 21,500 MWe Pumped Storage About 8% Of US Electricity Equivalent To 2.9 Quads 1th, 2024

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Cycle Continues, We Won't Run Out Of This Energy Source. History Of Hydropower Hydropower Has Been Used For Centuries. The Greeks Used Water Wheels To Grind Wheat Into Flour More Than 2,000 Years Ago. In The Early 1800s, American And European Factories Used The Water Wheel To Power Machines. The Water Wheel Is A Simple Machine. 3th, 2024

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