

« The top 3 most powerful hydropower plants in the world » (Video transcript)

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HYDROPOWER PLANT = Conversion of the kinetic energy of running water into mechanical energy using hydraulic turbines, and then into electrical energy via a generator.

Today, HYDRO is the leading source of renewable energy in the world.

No. 1 - Three Gorges Dam

China / 2.3 km / Reservoir volume: 45.3 cu.km / Or around: 12 million Olympic-sized swimming pools / Capacity: 22,500 MW / Annual output: 98 TWh/year = the average yearly consumption of around 15 million people / It saves the consumption of 31 million metric tons of coal* / * *Le Figaro* (January 6, 2021)

No. 2 - Itaipu Dam

Border between Brazil and Paraguay / 7.2 km / Reservoir volume: 29 cu.km / Or around: 8 million Olympic-sized swimming pools / Capacity: 14,000 MW / Annual output: 96 TWh/year / It saves Brazil 434,000 barrels of oil per day

No. 3 - Xiluodu Dam

China / 700 m / Reservoir volume: 12.6 cu.km / Or around: 3.5 million Olympic-sized swimming pools / Capacity: 13,860 MW / Annual output: 57.1 TWh/year = the average yearly consumption of around 9 million people / It saves the consumption of 18 million metric tons of coal