

## PIENAAR ENERGY (PTY) LTD

# What is a hydroelectric dam



## What is a hydroelectric dam

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### Hydroelectricity

A hydroelectric power station that has a dam and reservoir is a flexible source, since the amount of electricity produced can be increased or decreased in seconds or minutes in response to varying ...

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### Hydroelectric Dam

A hydroelectric dam is a structure that creates a reservoir of water and uses gravity to turn a turbine generator to produce electricity. Learn how a hydroelectric dam ...



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### Hydroelectric Dam

Hydroelectric dams are a very common form of hydroelectric generation used today and usually consists of large turbines that require a high volume of water flow. Hydroelectric dams use a reservoir of water ...



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## How Hydropower Works , Department of Energy

Hydropower, or hydroelectric power, is a renewable source of energy that generates power by using a dam or diversion structure to alter the natural flow of a river or other body of water.

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## Hydroelectric Energy

There are three different types of hydroelectric energy plants, the most common being an impoundment facility. In an impoundment facility, a dam is used to control the flow of water stored in ...

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## Hydroelectric power , Definition, Renewable Energy, Advantages

Hydroelectric power plants are usually located in dams that impound rivers, thereby raising the level of the water behind the dam and creating as high a head as is feasible.

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## Hydroelectric Energy

Hydroelectric energy is a renewable source of electricity that uses the power of water in motion to turn turbines and



generators. Learn about the ...

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## What Is A Hydroelectric Dam And How Does It Work

Hydroelectric power is a renewable energy source that uses dams or diversion structures to alter the natural flow of rivers or other bodies of water. The purpose of a hydroelectric dam is to ...



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## Hydroelectric dams Definition

Hydroelectric dams convert water flow into electricity by directing water through turbines. As water flows over the dam and through the turbines, it causes them to spin. This rotational movement is then used ...

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## Hydroelectric dam

The purpose of a hydroelectric dam is to provide a place to convert the potential and kinetic energy of water to electrical

energy by using a turbine and generator.

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## Hydroelectric Dams: 12 Things (2025) You Need to Know

What is a Hydroelectric Dam? A hydroelectric dam is a part of a greater hydroelectric facility that is built to generate electricity from the falling or flowing of water.

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## Hydroelectric Dam

Learn about the Hydroelectric Dam! How it works, its components, design, advantages, disadvantages and applications.

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