

What are the hydrogen energy stations in vanuatu



Overview

The three stations offer a combined generation capacity of 63 kW and will produce approximately 549,340 kWh of electricity annually. They are supported by 154 kWh of battery storage, resulting in a maximum available annual energy of 604,785 kWh. Vanuatu, a tropical paradise with 83 islands, could soon become the hydrogen hub of the Pacific. Why?

Because importing diesel for electricity is like using a flip phone in 2025 - outdated and expensive. 83 per cent, and solar energy makes up 3. [3] Additionally, the country is exploring the potential of green hydrogen as a means to . Vanuatu has officially commissioned three pico-hydro power stations on Pentecost Island, advancing its goal of making renewable electricity available to remote communities and accelerating its shift toward a low-carbon future. Speaking at the launch ceremony, Hon. Ralph Regenvanu, Minister of Climate Change Adaptation . We are excited to see progress in the construction of the pico-hydro power station in Melsisi community on Pentecost Island -an eco-friendly power station being built under the Vanuatu Green Energy Transformation (VGET) project, with generous funding from the Japan - The Government of Japan Vanuatu . Three Japan-funded pico-hydropower stations at Waterfall, Melsisi and Larimaat villages on Pentecost were officially launched and handed over to the Vanuatu Government yesterday.

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[Vanuatu's eco-friendly pico-hydro power station nears completion](#)

Pico-hydro power stations offer a sustainable solution for local communities, enhancing livelihoods, improving safety, and raising overall living standards, while having only a minor

H2-Stations

LBST has operated the database h2stations since 2005, offering the most comprehensive information on hydrogen refuelling stations worldwide. Data is collected and updated



Waterfall, Melsisi and Larimaat Pico-Hydro Power Stations on

With the launch of the Waterfall, Melsisi and Larimaat pico-hydro power stations, Pentecost Island is now taking a major step forward toward a cleaner, more resilient and inclusive

ONSHORE RENEWABLE ENERGY POTENTIAL

Although Vanuatu is a net carbon sink and has pledged highly ambitious decarbonisation measures within its Nationally Determined Contributions to fulfilling the goals of the Paris Agreement, the



[New pico-hydro power stations bring Vanuatu closer to green energy](#)



[Green Hydrogen Innovation Centre , International Solar Alliance](#)

Hydropower currently contributes the largest share of renewable electricity in Vanuatu, with the Sarakata hydro plant on Espiritu Santo being the most significant.



[Vanuatu Hydrogen Energy Storage Industry: Powering the Pacific's](#)

In 2024, a pilot project on Efate Island achieved what experts called "the Pacific miracle" - storing enough hydrogen in lava tubes to power 5,000 homes for 72 hours during cyclones.



Pentecost hydropower stations handed over to gov't

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Hydrogen Fueling Station Locations

Use this tool to view alternative fuel corridors designated by the Federal Highway Administration and to measure the distance between stations that meet the Round 8 criteria for corridors.

Stations Map , H2 Station Maps

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