

How will Tonga move away from fossil fuels?

This project aims to help Tonga move away from fossil fuels and shift to renewables. The project will deliver utility-scale storage systems to provide base load response and grid stability, paving the way for more renewable energy integration in the main island, while green mini-grids will be installed in the outer islands.

How is energy collected in Tonga?

“There's a host of different ways to collect the energy, but the one in Tonga will be a point source absorber and it will sit in the water and move up and down as the wave passes over the top,” he said. “Inside it is a generator that will spin and create electricity.”

How much energy does Tonga generate?

It accounts for 90 percent of its electricity generation. The Government of Tonga has formulated targets to transform its energy sector by achieving a 50 percent share of renewables in the country's energy generation mix by 2020 and 70 percent by 2030.

How will Tonga's New Energy Park work?

The project will be delivered in two phases-- the first will begin later this year and will be a two-megawatt park, which will generate enough power for close to 3,000 homes. Once the entire 10-megawatt project is complete, it is expected to provide half of Tonga's energy and cut emissions by 20 per cent.

What are the advantages and disadvantages of living in Tonga?

“The advantage and disadvantage in Tonga is that energy is expensive so anything that reduces that energy cost, especially that eliminates oil and diesel, is an advantage. “You stop importing as much from overseas which impacts balance of trade, to making use of your own energy locally.”

How much does electricity cost in Tonga?

According to UK-based aggregate website Cable, Tonga's electricity is the 13th most expensive in the world, at an average cost of US35 cents (52 cents) per kilowatt hour (kWh). The research, released in late 2021, analysed 230 countries and found Oceania was the most expensive region in the world, with an average of US30 cents per kWh.

As the world transitions from fossil fuels to cleaner and safer energy sources, Tonga is at the forefront of the movement in the Pacific. PCREEE and TNQAB are collaborating on a groundbreaking initiative with the Pacific Community's (SPC) Educational Quality and Assessment Programme (EQAP) to develop a regional qualification on E-mobility.

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Driven by the belief that everyone deserves clean, affordable energy, we set out to create a future where power is not just a privilege, but a possibility for all. Every solar panel we install, every battery we provide, is a step towards empowering lives, supporting local economies, and preserving the natural beauty of our world for generations ...

Our transition from diesel generation to renewable energy is our progress towards achieving a sustainable power source for the Kingdom for generations to come. Our current electricity generation method heavily relies on imported fossil fuels ...

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Renewable energy in Tonga is essential for long-term economic growth as the nation will rely on sustainable and dependable resources instead of unsustainable and environmentally harmful energy sources, like fossil fuels.

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