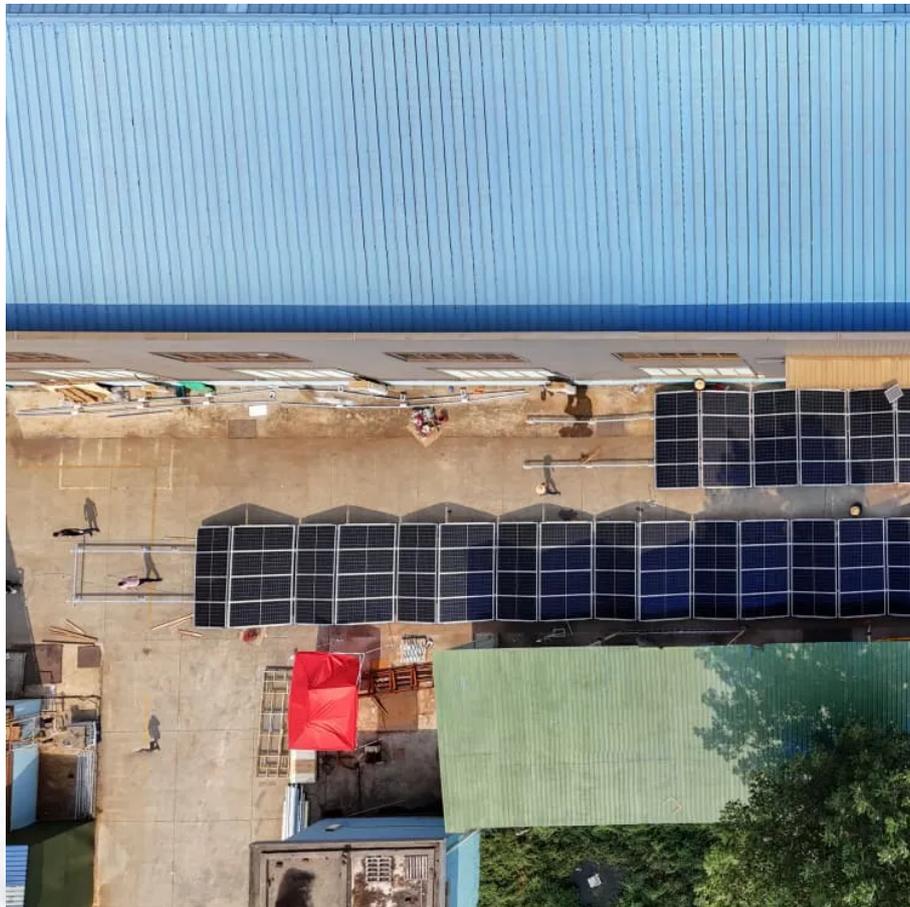


PDEOZE PowerContainer

How much is the subsidy for the Tonga Energy Storage Power Station



Overview

The Asian Development Bank (ADB) has agreed to part-fund a US\$53.2 million undertaking to power Tonga with renewable energy, including the installation of 22.2MWh of energy storage.

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The Government of Tonga continues the electricity price subsidy to the March 2023 quarter since the current price of electricity still appears to remain much higher than the usual monthly bill. The government subsidy will cover both categories: (i) residential customers whose units of consumption.

This review of the Tonga Outer Island Renewable Energy Project (OIREP) was commissioned by the Australian High Commission to Tonga. The review was led by Scott Rankin, with support from Renewable Energy expert Rob Passey of ITP Renewables. We would like to thank the many people who gave generously.

A power tariff increase of 8.31 seniti per kWh (kilowatt hour) approved by Energy Commission came into effect on 1 April 2025. This is a 9.29% Increase from the last quarter (Jan - Mar 2025) when the power tariff was 89.47seniti per kWh. The new electricity tariff for Tonga is therefore 97.78.

The two battery storage facilities installed in Tonga are complementary: the aim of the first 5 MWh / 10 MW battery is to improve the electricity grid's stability (regulating the voltage and frequency), while the second 23 MWh / 7 MW battery is designed to transfer the electrical load in order to.

How much is the financial subsidy for energy storage power stations?

1. The financial subsidy for energy storage power stations varies significantly based on location, technology, and governmental policy, 2. In many regions, subsidies can range from several hundred dollars to thousands per.

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. However, achieving these targets require catalytic investments to transform the country's energy. Can Australia help secure Tonga's outer island energy needs?

Australia also has a long history of engagement in relation to helping secure Tonga's outer island energy needs. In the early 2000s, Australia funded the Ha'apai Outer Islands Electrification project (HOIEP), which involved the installation of diesel-powered generators and electrical reticulation on four islands in the Ha'apai group.

How many people have access to electricity in Tonga?

This means that little more than 30,000 people are spread across 35 islands, presenting acute issues in terms of the provision of modern infrastructure. At OIREP commencement, the ADB estimated that 89% of all households across Tonga had access to electricity.

Why is electricity so expensive in Tonga?

This has contributed to the Tongan economy and electricity consumers being exposed to high and volatile electricity prices due to fluctuations in the price of oil internationally. According to UK-based aggregate website Cable, Tonga's electricity is the 13th most expensive in the world, at an average cost of USD 0.35 per kilowatt hour (kWh).

How can oirep help Tonga's remote island communities?

However, significant needs and opportunities exist to further expand renewable energy systems on outer islands. Less tangible, but also important is the role played by OIREP in consolidating Tonga's social contract with remote island dwelling communities, by allowing for enhanced and more reliable access to electricity.

Is TPL the most profitable SOE in Tonga?

As Tonga's most profitable SOE, there is good reason to believe that TPL has the commercial capacity, technical capacity and financial incentive to sustain, maintain and further develop OIREP assets beyond the life of the project given the revenue they can generate.

Why did oirep work with Tonga Power Limited?

OIREP's on-grid work was always a matter of laying the foundations for further investment in renewables and enjoyed the ease of working through one implementing partner - Tonga Power Limited - who were incentivised to help ensure the program succeeded given they will manage all on-grid assets post-project.

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MEIDECC estimates for post OIREP tariffs factor in a 20% subsidy, however it is still unclear whether the Tongan government is willing to provide a subsidy, or how much that subsidy ...

Battery Energy storage systems will be able to store renewable energy generated from our existing solar and wind generation sites and distribute it to the people of Tonga when required.

A grant of AUD15 Million from Australia, was signed over to Tonga today 10 April, at the Popua Power Station in 'Anana. The grant will help to fund projects for Tonga Power Ltd in reaching ...

Battery Energy Storage Systems are a vital component to reaching Tonga's 50% Renewable Energy target by end of year 2020. Battery Energy storage systems will be able to store ...

NUKU"ALOFA, TONGA (14th November 2019) -- Tonga's second Large scaled Battery Energy Storage System (BESS) will be built at Matatoa after an agreement was signed today between ...

The project, worth a total of \$16.7 million USD, is jointly funded by the Asian Development Bank, Green Climate Fund, and the Government of Australia, and implemented ...

With the 18 cents per kWh decrease in electricity tariff, the estimated total subsidy for January 2023 is less than an average monthly of a million in the past six (6) months.

Discover the Tonga renewable energy project based on storage technology, located in

Nuku'alofa, Tonga, in the South Pacific Ocean.

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