

Kongres Container

Use of Tonga Energy Storage Batteries



Overview

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.

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.

Why are climate adaptation measures so important in Tonga?

As one of the world's most climate vulnerable countries, climate adaptation measures are seen within the government and by the people of Tonga as being both urgent and of critical importance. This is based in three key factors.

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