

NKOSITHANDILEB SOLAR

Tonga New Energy Storage Project

SUPPORT REAL-TIME ONLINE
MONITORING OF SYSTEM STATUS



Overview

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.

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 did the oirep project impact Tonga?

The project achieved its proposed impact, in terms of helping Tonga reduce its dependence on imported fossil fuel for power generation with OIREP assets estimated to have reduced diesel usage by 0.5 million litres annually. Central to the project outcome was the provision of on-grid and off-grid generation solar power at reduced cost.

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.

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The Tonga project will introduce several innovations, not only at the regional but also at the global level. Battery storage at scale is new to Tonga and the region, and relatively

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Earlier this year, the Energy Corporation of New South Wales (EnergyCo) formally increased the amount of renewable energy generation and energy storage projects that can connect to the ...

A solar-plus-storage project combining 300kW of PV and a 2MWh battery energy storage system (BESS) has been installed in the Polynesian archipelago nation of Tonga. The project on the ...

Key lessons from the Tonga Renewable Energy Project for the Pacific Modernised SCADA and control systems are critical when renewable energy contribution approaches 30%. ...

A solar-plus-storage project with a 2MWh battery energy storage system has been installed in Tonga, its first.

Australia is also a co-financing partner to the Tonga Renewable Energy Project (TREP) which builds on OIREP objectives by delivering renewable energy mini grids to seven ...

A special event today marks the official opening of Tonga's first ever large-scale Battery Energy Storage Systems (BESS) by the Prime Minister Hon. Hu'akavameiliku. The two Battery ...

A solar-plus-storage project with a 2MWh battery energy storage system has been installed in Tonga, its first.

Why Tonga's Energy Storage Project Matters to the Pacific Region The Tonga Integrated Energy Storage Power Station represents a groundbreaking shift in how island nations can achieve ...

The construction and commissioning of this new facility were all the more remarkable given that they took place at the height of the Covid-19 pandemic (2020-2021), when the Kingdom of ...

Kingdom of Tonga Celebrates Major Milestone Towards Renewable Energy Target with Commissioning of 'Eua island 350kW Solar System and BESS (Tonga Renewable Energy

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