SolarInnovate Energy Solutions

South Tarawa Energy Storage Battery Production Project

Overview

STREP has three outputs: (i) solar photovoltaic and battery energy storage system installed; (ii) draft energy act to enable increased deployment of renewable energy developed; and (iii) institutional capacity for inclusive renewable energy project development and implementation enhanced.How many households in South Tarawa have electricity?

Of the 6,825 households in South Tarawa, 72.4% have access to grid electricity, mainly for lighting. Around 20%–25% of households are headed by women. 10.

Is Kiribati launching a solar PV project?

The Oceania located nation of Kiribati has started construction on the country's largest solar PV project that's backed by the Asian Development Bank and the Government of New Zealand. It will be accompanied by a battery energy storage system (BESS). The 7.5 MW South Tarawa Renewable Energy Project (STREP) is located on the Bonriki water reserve.

Who financed the South Tarawa water supply project?

Supported by the bank and co-financed by the Kiwi government, the project's solar and BESS components were procured under the ADB's South Tarawa Water Supply Project co-financed by the World Bank and the Green Climate Fund.

Who produces grid-connected electricity in South Tarawa?

Grid-connected electricity in South Tarawa is generated and distributed by the state-owned Public Utilities Board (PUB), established under the Public Utilities Ordinance (1977, and further amended in 2000). The PUB’s mission is to commercially provide and maintain quality, reliable electricity, water, and sewerage disposal services to Tarawa.

What is Kiribati integrated energy roadmap?

Government of Kiribati. 2015. Intended Nationally Determined Contribution.
International Renewable Energy Agency. 2017. Kiribati Integrated Energy Roadmap: 2017–2025. Includes $10 million from the ADF 13 thematic pool grant supporting the disaster risk reduction and climate change adaptation strategic area.

Why is Tarawa a climate hazard?

Over the last two decades, Tarawa has become particularly vulnerable to climate hazards, with longer and more intense dry periods, more regular flooding, sea level rise (SLR), extreme weather events, higher temperatures, and storm surges.

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