



# South Tarawa Communication BESS Power Station Project





## Overview

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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.

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.

How will strep impact South Tarawa?

STREP will allow the South Tarawa grid to achieve 44% renewable energy penetration, higher than the Kiribati Integrated Energy Roadmap (KIER) target for South Tarawa, which is 36% RE penetration by 2025<sup>1</sup>. Increased solar generation will benefit the economy through reduced importation of fossil fuels and placing downward pressure on tariffs.

Does South Tarawa need battery storage?

The current power system in South Tarawa already has installed or planned grid connected PV capacity to meet some of the peak demand, but grid reliability will increasingly be put at risk as additional intermittent generation is added to the grid. Thus, to ensure system stability, battery storage needs to be deployed in the immediate future.



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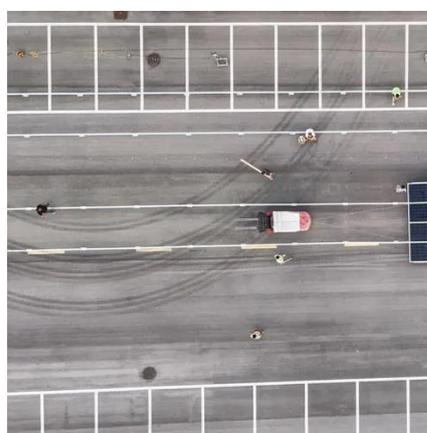


### South Tarawa Renewable Energy Project: Final Compensation ...

The Project will enable the installation of 5 MW of solar PV, and 13.0 MWh battery energy storage system (BESS), associated network connections and modern control systems on the Bonriki ...

### Project Notice

It will do this by installing the innovative, climate-adapted and efficient floating PV (FPV) for power generation and for services and benefits beyond electricity.



### [South Tarawa Renewable Energy Project \(Phase 2\): Project ...](#)

The joint procurement of the PV, BESS and O& M contracts for STREP and for the South Tarawa Water Supply Project (STWSP) funded by the ADB, the Green Climate Fund, and the World ...



[resourcecontracts-nrgi-prod.s3.amazonaws.com](https://resourcecontracts-nrgi-prod.s3.amazonaws.com)

The proposed South Tarawa Renewable Energy Project (Phase

climate and natural hazards. The project will (i) expand access to clean and sustainable energy;

...



### South tarawa energy storage

The South Tarawa Renewable Energy Project (STREP-the project), ADB's first in Kiribati's energy sector, will finance climate-resilient solar photovoltaic generation, a battery energy ...



### UNDERSTANDING BATTERY ENERGY STORAGE SYSTEM BESS PART 3 - PROJECT

This is a critical natural asset for South Tarawa and the project will help to reduce the decline in water availability and water quality as well as avoid the risk of further encroachment of ...



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### [Ground Breaks On Largest Solar PV Plant In ...](#)



The 7.5 MW South Tarawa Renewable Energy Project (STREP) is located on the Bonriki water reserve. ADB says it will ...



- ✓ 50KW/100KWH
- ✓ HIGHER POWER OUTPUT IN OFF-GRID MODE
- ✓ CONVENIENT OPERATION & MAINTENANCE
- ✓ PRE-WIRED

### [South Tarawa Renewable Energy Project \(Phase 2\)](#)

Review the complete project documentation for a detailed description. As stated by the ADB, the proposed project will initiate and contribute to the transformation of the Kiribati ...

### [South Tarawa Communication Base Station Power Module](#)

The wind-solar-diesel hybrid power supply system of the communication base station is composed of a wind turbine, a solar cell module, an integrated controller for hybrid energy



### **STREP SMR No.8 Jan**

It is the first ADB project in Kiribati's energy sector. STREP aims to strengthen Kiribati's renewable energy capacity through the installation of solar photovoltaic (PV) generation ...

### [Ground Breaks On Largest Solar PV Plant In Kiribati](#)



The 7.5 MW South Tarawa Renewable Energy Project (STREP) is located on the Bonriki water reserve. ADB says it will generate reliable, efficient and affordable solar ...





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