South Tarawa Solar Panels

Why is South Tarawa project important?
This is a critical natural asset for South Tarawa and the project will help to reduce the decline in water availability and water qualityas well as avoid the risk of further encroachment of incompatible land uses and contamination.

What is the current electricity demand in South Tarawa?
Source: ADB. III. 22. The present yearly electricity demand in South Tarawa is around 29 GWhand is expected to grow by 2% annually. The total power rating available to PUB is around 5MW,sufficient to meet the above yearly demand when all diesel generation sets are operational.

What are the 548kwp (kilowatt peak capacity) solar panels?
The 548kWp (kilowatt peak capacity) solar panels were fitted onto four buildings in South Tarawa - the Kiribati Institute of Technology, Betio Sports Complex, Tungaru Hospital and King George V Secondary School - with the latter two sites also requiring roofs to be replaced through the project in order for the panels to be secured.

What is the Kiribati grid connected solar PV project?
Ending in 2018, the Kiribati Grid Connected Solar PV Project is coordinated by the World Bank and funded through a US$1 million grant from the Global Environment Fund (GEF) and a US$2.92 million grant from the Government of Australia, through the Pacific Regional Infrastructure Facility (PRIF).

What are the environmental benefits of a solar power plant?
The project is also expected to generate positive environmental benefits from replacing diesel plants with solar power plants, resulting in avoided nitrogen oxide, particulate matter, sulfur dioxide, carbon dioxide (CO_2) and other greenhouse gas (GHG) emissions.

Will solar panels reduce Kiribati's dependence on imported fuel?
Tarawa Kiribati,September 23,2016 - Large-scale solar panels installed at four government owned facilities were officially unveiled today as part of a new World Bank project designed to reduce Kiribati's dependence on imported fuel.

South Tarawa Renewable Energy Project (STREP) STREP 1 continues to make good progress ...

The proposed project will initiate and contribute to the transformation of the Kiribati energy sector to one that is low-carbon and adapted to growing climate and natural hazards. 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.

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The proposed South Tarawa Renewable Energy Project will install solar photovoltaic and battery energy storage system to help the government achieve its renewable energy target for South Tarawa, reduce consumption of diesel fuel for power generation, and help mitigate climate change by avoiding greenhouse gas emissions through clean renewable ...

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 storage system, and will support institutional capacity building including the development of an inclusive and gender-sensitive renewable energy enabling framework...

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-generated electricity to power more than 9,000 homes in the country"s capital South Tarawa.

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