

## SolarInnovate Energy Solutions

# Where is Palau s new power signal base station

### Utility-Scale ESS solutions



## Overview

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Which power stations are located in Palau – Malakal & Aimeliik?

The roadmap analysis focuses on the two main power stations – Malakal and Aimeliik – as they are located on the two largest islands – Koror and Babeldaob. For this study, it was assumed that the total diesel generation capacity of Palau's current power system is 20 MW (the four largest generators present in Palau).

What is the Palau energy roadmap?

The roadmap includes several detailed scenarios based on the data and information provided by the Palau Energy Administration (PEA). The data were used to calibrate the model by first looking at the country's current power system, with this serving as the foundation for the other subsequent scenarios analysed in the study.

What is the current power system in Palau?

**CURRENT POWER SYSTEM** As mentioned previously, the current power system of the Republic of Palau is widely dominated by conventional fossil fuel generation. The calibration model developed has shown that currently, renewable energy generation represents only 4.03% of the total share of Palau's power sector.

How many power plants are there in Palau?

Currently, there are a total of five main power plants on different islands in Palau, supplying electricity to meet the load. The two largest power plants are the Malakal and Aimeliik power stations, which have total generation capacities of 15.5 MW and 10 MW respectively.

How many diesel generators are there in Palau?

For this study, it was assumed that the total diesel generation capacity of Palau's current power system is 20 MW (the four largest generators present in

Palau). Table 2 shows in more detail the generation capacity for each power plant currently present in the country. Source: PPUC and PEA data (n.d.).

Is a new long-range radar system coming to Palau?

Progress is being made on the deployment of a new long-range over-the-horizon radar system for the U.S. Air Force that will be stationed on the Pacific island of Palau. The news comes as the Pentagon's push to drastically beef up both its offensive and defensive capabilities in the Western Pacific gains steam.

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### **Approximately \$16 Million (USD) Project for Reduction in**



Mar 14, 2024 · The project has three main goals. The first is to strengthen the power grid in Koror and Babeldaob island by installing the second transmission line of approximately thirty-five ...

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