

Tonga Power Limited is continuously expanding its Renewable Energy Portfolio, through the introduction of solar generation and most recently Tonga's first ever large scaled wind generation system in Niutoua.

SIT's goal is to use European knowledge and technology along with Swiss and New Zealand management skills to plan, organize and implement solar installations in Tonga. The aim being to provide self-sufficient energy systems ...

SIT will plan, coordinate, install and manage solar energy systems for private homes, schools, hospitals and commercial buildings in Tonga. SIT shall further develop and install solar systems for charity projects.

Tonga Climate Change Policy is focused towards building a resilient Tonga by 2035 envisioning an integrated approach to adaptation, disaster risk reduction and mitigation.<sup>7</sup> Tonga receives high levels of solar irradiation (GHI) of 4.9 kWh/m<sup>2</sup>/day and specific yield 4.0 kWh/kWp/day indicating a high technical feasibility for solar in the country.<sup>8</sup>

Prime Minister of Tonga today announced the official launch of the 6-MW power purchase agreement (PPA) based Tongatapu Solar Farm located at Fualu, Tongatapu, which has supplied electricity to over 10,336 households since August this year.

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Comprising three interconnected 2.3MWp ground mounted solar arrays in western Tongatapu, the construction phase successfully met the extreme challenges presented by the 2022 Hunga Tonga-Hunga Ha'apai volcanic eruption and resulting tsunami, as well as the COVID-19 pandemic.

"In Tonga, we have taken the decision of building of renewable capacity by 70% by 2030 and solar will be a key driver for achieving our targets. The role of ISA will be crucial in helping the countries strengthen their NDCs and to chart a roadmap for achieving their climate action targets," Hon Tei said.

Solar power has emerged as a particularly viable renewable energy source in Tonga, thanks to its sun-soaked climate and mostly flat landscape. The Tongan government has taken initiative by endorsing solar power development and implementing a net metering policy.

The commissioning of the Niuatoputapu Solar Hybrid System & Mini Grid is a significant milestone for Tonga. It brings the country's total electricity accessibility to around 99%. The project will also help to reduce Tonga's reliance on imported fossil fuels, which will benefit the environment and the economy.

SIT"s goal is to use European knowledge and technology along with Swiss and New Zealand management skills to plan, organize and implement solar installations in Tonga. The aim being to provide self-sufficient energy systems which generate environmental and economic benefits for local families, institutions and companies.

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