



## Tonga Solar Power System

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What is a solar farm & how can it help Tonga? Producing energy since August this year, and providing power for up to 10,336 households, the Solar Farm is helping The Government of Tonga pursue its National Energy Roadmap plans to see up to 70% of Tongatapu's electricity generation sourced from renewables by the end of . Why do we need solar power in Tonga? Renewables like solar are a significant means for Tonga to expand energy access, stabilize power grids as well as reduce pollution. Considering the shortage of solar expertise and finances for countries like Tonga, the role of independent power producers and the practice of PPA provide solid support to smooth the way for solar deployment. What does Sunergise's 6MW solar system mean for Tonga? As Hu'akavameiliku, Prime Minister of Tonga said at the ceremony: "The successful completion of the Sunergise's 6MW Independent Power Producer solar generation system today, demonstrates the major role renewable energy independent power producers play towards achieving our 70% target by [the] end of [the] year ." Can Australia help secure Tonga's outer island energy needs? Australia also has a long history of engagement in relation to helping secure Tonga's outer island energy needs. In the early 2000s, Australia funded the Ha'apai Outer Islands Electrification project (HOIEP), which involved the installation of diesel-powered generators and electrical reticulation on four islands in the Ha'apai group. Who are Sunergise New Zealand & Tonga Power Limited? This solar project was completed under the partnership between Sunergise New Zealand Limited and Tonga Power Limited with support from the Asian Development Bank (ADB). Sunergise led the construction and meanwhile united local Tongan civil, mechanical and electrical sub-contractors to the team. How many people have access to electricity in Tonga? This means that little more than 30,000 people are spread across 35 islands, presenting acute issues in terms of the provision of modern infrastructure. At OIREP commencement, the ADB estimated that 89% of all households across Tonga had access to electricity. Solar Energy Tonga We're committed to increasing solar energy in Tonga. There are roofs all over the islands that could become renewable energy generators, and a huge opportunity for growing solar for our community. Solar mini-grids power up remote Tongan islands Tonga is making tangible progress toward its renewable energy targets with the rollout of solar-powered mini-grid systems across its outer islands, in a bold move to reduce its dependence on expensive South Pacific's Largest Solar Farm Launched in Presence of Comprising three interconnected 2.3MWp ground mounted solar arrays in western Tongatapu, the construction phase successfully met the extreme challenges presented by the Solar power changing lives on Hunga island All 84 households on Hunga Island, including seven female-headed homes, are now connected to a new solar-powered microgrid, marking a significant milestone in Tonga's Energizing Remote Islands in Tonga with Mini-Grid Solar Tonga Energy Road Map launched as a 10-year plan focused on reducing Tonga's vulnerability to oil price fluctuations and improving access to modern energy services, and Australia's contribution to the multi-donor Tonga Outer OIREP's focus was installation of solar energy capabilities to nine outer islands of Tonga, with the aim of increasing the reliability, efficiency and affordability of power on these islands. OIREP | Tonga Power



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LimitedThe Tonga Outer Island Renewable Energy Project (OIREP) will construct Solar Photovoltaic (PV) power plants on 8 outer islands. The "on-grid" portion will be allocated to Ha'apai and 'Eua, Solar Energy Tonga We're committed to increasing solar energy in Tonga. There are roofs all over the islands that could become renewable energy generators, and a huge opportunity for growing solar for our Solar mini-grids power up remote Tongan islandsTonga is making tangible progress toward its renewable energy targets with the rollout of solar-powered mini-grid systems across its outer islands, in a bold move to reduce its Australia s contribution to the multi-donor Tonga Outer OIREP's focus was installation of solar energy capabilities to nine outer islands of Tonga, with the aim of increasing the reliability, efficiency and affordability of power on these islands. Clean, Green, Sustainable Power for Tonga | Tonga Power LimitedWe currently have a fully functioning Independent Power Producer solar system from Singyes Solar, with a capacity of 2MW. Singyes owns, generates and maintains this solar plant. Once South Pacific's largest solar plant officially launched in TongaIt is a solar project developer and operator with a long history in the Pacific, having delivered over 20-MW solar capacity in New Zealand, Tonga, Fiji and other South Pacific Sunergise 6 MW IPP Solar Generation Systems The Sunergise 6 MW IPP Solar Generation Systems is a photovoltaic power plant in Kolovai, Tongatapu, Tonga. It is the largest photovoltaic power plant in South Pacific.OIREP | Tonga Power LimitedThe Tonga Outer Island Renewable Energy Project (OIREP) will construct Solar Photovoltaic (PV) power plants on 8 outer islands. The "on-grid" portion will be allocated to Ha'apai and 'Eua, Sunergise 6 MW IPP Solar Generation Systems The Sunergise 6 MW IPP Solar Generation Systems is a photovoltaic power plant in Kolovai, Tongatapu, Tonga. It is the largest photovoltaic power plant in South Pacific.

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