



Energy storage projects in Tuvalu

In 2010, Tuvalu was getting 2% of its energy from solar, through 400 small systems managed by the Tuvalu Solar Electric Co-operative Society. These were installed beginning in 1990 and, in the late 1990s, 34% of families in the outer islands had a PV system (which generally powered 1-3 lights and perhaps a few hours a day of radio use). Each of the eight islands had a medical centre. In May 2019, Tuvalu completed its first large-scale solar farm and a two-megawatt-hour battery storage system on its main island, Funafuti. The Asian Development Bank (ADB) has commissioned a 500 kW solar rooftop project in Tuvalu's capital, Funafuti, along with a 2 MWh battery energy storage system (BESS). Government House, Funafuti. Image: Michael Coghlan, Flickr, CC BY-SA 2.0

Tuvalu, an island country midway between Hawaii and Australia. In 2015, the United Nations established 17 Sustainable Development Goals (SDGs), with goal seven aimed at ensuring "access to affordable, reliable, sustainable, and modern energy for all." Behind this goal lies the widespread issue of energy poverty, or the lack of access to reliable and clean energy. The Tuvalu National Energy Policy (TNEP) was formulated in 2015, and the Energy Strategic Action Plan defines and directs current and future energy developments so that Tuvalu can achieve the ambitious target of 100% renewable energy for power generation by 2030. [1] The program is expected to reduce Tuvalu's carbon footprint. The Asian Development Bank (ADB) and the Government of Tuvalu have launched substantial clean energy infrastructure in Funafuti, Tuvalu. This project includes a 500 kilowatt on-grid solar rooftop array and a 2 megawatt-hour battery energy storage system (BESS), catering to Tuvalu's capital with sustainable energy. The objective of the Energy Sector Development Project for Tuvalu is to enhance Tuvalu's energy security by reducing its dependence on imported fuel for power generation. What is the Tuvalu solar power project? The Government of Tuvalu worked with the e8 group to develop the Tuvalu Solar Power Project. ADB commissions 500 kW solar project with 2 MWh battery storage. The Asian Development Bank (ADB) has commissioned a 500 kW solar rooftop project in Tuvalu's capital, Funafuti, along with a 2 MWh battery energy storage system (BESS). Renewable Energy in Tuvalu: Towards 100% Energy By implementing 100% solar, wind and other renewables, Tuvalu could eliminate the need for imported fuel, cut energy costs, create jobs and stabilize energy access. Renewable energy in Tuvalu Overview Solar energy Tuvalu's carbon footprint Tuvalu Energy Sector Development Project (ESDP) Commitment under the Majuro Declaration 2013 Commitment under the United Nations Framework Convention on Climate Change (UNFCCC) 1994 Wind energy Filmography In 2010, Tuvalu was getting 2% of its energy from solar, through 400 small systems managed by the Tuvalu Solar Electric Co-operative Society. These were installed beginning in 1990 and, in the late 1990s, 34% of families in the outer islands had a PV system (which generally powered 1-3 lights and perhaps a few hours a day of radio use). Each of the eight islands had a medical centre. ADB and Tuvalu Launch Solar Power and Battery Storage Systems The Asian Development Bank (ADB) and the Government of Tuvalu inaugurated a 500-kilowatt on-grid solar rooftop system and a 2-megawatt-hour battery energy storage system. ADB Energizes Tuvalu with Clean Energy Infrastructure | PEDB This project includes a 500 kilowatt on-grid solar rooftop array and a 2 megawatt-hour battery energy storage system (BESS), catering to Tuvalu's capital with sustainable



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