

AMERICAN SAMOA RENEWABLE ENERGY SERVICES



American Samoa's 2023-2024 report provides a high-level overview of American Samoa's energy sector, the current climate and energy policy landscape in the territory, and the climate- and energy-specific challenges facing American Samoa.



In 2016, the American Samoa Renewable Energy Committee set a goal to meet 50% of American Samoa's energy from renewable energy resources by 2025 and 100% by 2040, primarily with solar energy. In 2022, per capita electricity consumption in American Samoa was about 30% of the U.S. average.



TY - GEN. T1 - 2023-2024 Energy Baseline Report: American Samoa. AU - Leddy, Laura. AU - Kandt, Alicen. PY - 2024. Y1 - 2024. N2 - This document is part of a series of 2023-2024 energy baseline reports produced for the U.S. Department of the Interior's Office of Insular Affairs.



American Samoa's Territorial Energy Office (TEO) oversees the program and performs weatherization services directly, thus reducing administrative costs. increase the use of indigenous renewable energy resources, thereby reducing the need of imported diesel fuel while increasing efficiency with distributed energy generation.



American Samoa plans to move to 100% renewable energy by 2040. With the outer islands of Manu'a near 100%, other projects are being pursued to support the efforts. The strategy includes wind energy, waste-to-energy, and other photovoltaic systems.

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This profile provides a snapshot of the energy landscape of American Samoa, the southernmost territory of the United States. American Samoa's residential electricity rates are approximately \$0.29 U.S. dollars (USD) per kilowatt-hour (kWh), more than twice the average U.S. residential rate of \$0.13 USD/kWh.



This profile provides a snapshot of the energy landscape of American Samoa, the southernmost territory of the United States. American Samoa's residential electricity rates are approximately \$0.33 U.S. dollars (USD) per kilowatt-hour (kWh), more than twice the average U.S. residential rate of \$0.13 USD/kWh.



meet 50% of American Samoa's energy needs from renewable resources by 2025 and 100% by 2040. However, as of 2023, only around 3% of American Samoa's energy needs are being met by renewable resources. The other 97% of American Samoa's energy needs are provided for via imported diesel fuel that is used to power generators.



a Renewable Energy Committee to help bring sustainable renewable energy to the American Samoa. The Committee has developed energy strategies to take advantage of solar, wind, and geothermal potential on Tutuila Island and set a goal of supplying the Manu'a Islands with 100% renewable energy.



American Samoa has no indigenous fossil fuels and is almost totally dependent for energy on seaborne petroleum. However, the seven Pacific Islands located at 14 degrees south latitude that constitute American Samoa have a wide variety of renewable resources with the potential for substituting for imported oil.

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N2 - This document outlines actions being taken to reduce American Samoa's petroleum consumption. It describes the four near-term strategies selected by the American Samoa Renewable Energy Committee during action-planning workshops conducted in May 2016, and describes the steps that will need to be taken to implement those strategies.



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There are no cities with 100% renewable energy commitments in American Samoa. American Samoa Energy Action Plan Sept. 30, 2016 Brochures & Fact Sheets. Energy Snapshot American Samoa June 30, 2015 Other. The Islands ???



This will help the American Samoa Renewable Energy Committee achieve its goal of using 100% clean energy by 2024. AS: Mana Solar, LLC: \$23,500,000: American Samoa: Mana Solar, LLC is expected to receive \$23.5 million to develop a 13.4-megawatt community solar and battery energy storage system for renewable energy in American Samoa.



In 2010, the American Samoa Renewable Energy Committee (ASREC) was established to reduce the territory's reliance on fossil fuels by 40% by 2025, increase energy efficiency, and increase renewable energy use on the islands. In 2016, ASREC adopted a goal to meet 50% of American Samoa's energy needs from renewable resources by 2025 and 100% ???

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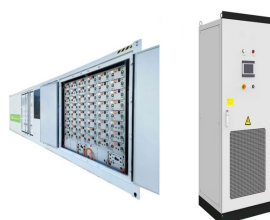
Due to fluctuating energy prices, global competition is at its highest. In 2008, a global fuel price increase impacted American Samoan government budgets and when a tsunami hit in September 2009, it crippled American Samoa industry and government, and impacted the welfare of American Samoa's citizens.

Commercial and Industrial ESS

- Budget-Friendly Solution
- Renewable Energy Integration
- Reduced Energy Storage Expenses



N2 - Describes the five near-term strategies selected by the American Samoa Renewable Energy Committee (ASREC) during action planning workshops conducted in May 2013, and outlines the actions being taken to implement those strategies. Each option is tied to a priority identified in the earlier draft American Samoa Strategic Energy Plan as being



This document outlines actions being taken to reduce American Samoa's petroleum consumption. It describes the four near-term strategies selected by the American Samoa Renewable Energy Committee (ASREC) during action-planning workshops conducted in May 2016, and describes the steps that will need to be taken to implement those strategies.



American Samoa's businesses, universities, non-profit organizations, and local governments are creating quality jobs today and positioning American Samoa to play an important role in the new energy economy of the future. **EXAMPLES OF AMERICAN SAMOA FORMULA GRANTS.** Program. Award (in millions) State Energy. Program. Weatherization Assistance Program



Quantifying hydrologic parameters such as precipitation, streamflow, evapotranspiration, and aquifer response are fundamental to understanding a region's hydrological budget, and thus the availability of water resources. This is particularly important in small island developing communities where critical water resources are limited. Climate and streamflow ???

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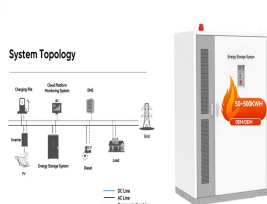
General Services Agency (GSA) Energy Upgrades . \$250,000 .
Department of Public Works (DPW) Vertical Sustainable Energy .
\$180,000 . American Samoa Renewable Energy Committee (ASREC)
Coordinator Position . \$28,000 . CNMI . Commonwealth Utilities
Corporation (CUC) Integrated Resource Plan .



\$33,700 for the American Samoa Renewable Energy Committee (ASREC)
to fund a coordinator and public education projects focused on reducing
fuel imports. The ASREC has been successful in developing the territory's
vision and meeting its goals for reducing dependence on imported fossil
fuels, one example of which is the Manu'a Islands 100%



At the Pacific Energy Summit held in Auckland in March 2013, the
Government of Samoa (GoS) and the New Zealand Ministry of Foreign
Affairs (NZ MFAT) decided to work in partnership to increase the
generation of energy in Samoa from renewable sources. The goal is to
have an efficient, reliable, safe, affordable and sustainable electricity
supply for Samoa.



In 2022, the average electricity price for residential customers in American
Samoa was approximately 45 cents/kilowatt-hour (kWh) - almost three
times the U.S. average of 15 cents/kWh. Renewable energy represents a
small but growing power system contribution, although American Samoa
relies almost entirely on imported fossil fuels.



Energy Accounts, Samoa 2020 4 Figure 1: Physical Energy Flows, Samoa
2020 (Terajoules) Key ??? Fossil Fuels ??? Electricity ??? Renewable
Energy ??? Biofuel Supply & Gas Natural Energy Resources Note: a)
Electricity uses include distribution losses (59.5 TJ). b) All other industries
apart from Government and Transportation and Storage

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Energy Information Administration - EIA - Official Energy Statistics from the U.S. Government American Samoa: United States: Period: Recoverable Coal 0 million short tons 251,539 million short tons Total Electricity Generation from Renewable Sources * 973 billion kWh 2022 >> Hydroelectric



of the National Renewable Energy Laboratory under the guidance of the American Samoa Renewable Energy Committee. ACKNOWLEDGMENTS . The National Renewable Energy Laboratory (NREL) thanks the U.S. Department of the Interior's Office of Insular Affairs (OIA) for providing funding for this effort. In particular, NREL would like to thank OIA