

How does American Samoa generate electricity?

Some of its islands generate electricity from solar energy. 5,6 Pago Pago, one of the deepest natural harbors in the South Pacific, is among the territory's most important assets. It receives the imported petroleum products that American Samoa depends on to meet almost all of its energy needs. 7,8

How much does electricity cost in Samoa?

Average U.S. and American Samoa Electricity Prices (2022) ASPA rates are down slightly as of January 2024--approximately \$0.41/kWh for residential and commercial customers and \$0.38/kWh for industrial customers. ASPA's total energy rates include a renewable energy flat rate charged at \$0.002/kWh across all service types (ASPA 2024).

Where does American Samoa get fuel?

Fuel for American Samoa comes from Singapore with Busan, South Korea as an alternate provider if needed. In the case of fuel disruption, Pacific Energy prioritizes serving ASPA to ensure power and water treatment services are not interrupted (Pacific Energy representative, personal communication, August 9, 2023).

Does American Samoa rely on petroleum?

American Samoa depends on petroleum imports for almost all its energy needs. American Samoa is the United States' southernmost territory and the only U.S. territory south of the equator. It lies just east of the international date line and is part of the Samoan Islands chain in Polynesia in the southern Pacific Ocean.

Does American Samoa have energy issues?

Although energy burdens pose a real challenge in American Samoa, the territory is working to advance energy justice. For example, the Territorial Energy Office provides home energy efficiency programs to help reduce energy costs for low-income households.

Where can I find a report on American Samoa?

This report is available at no cost from the National Renewable Energy Laboratory at American Samoa has also instituted a number of rules, regulations, and informal goals to help codify its climate and energy objectives.

American Samoa's relative sea level continues to rise, increasing the risk to coastal infrastructure from damaging wave events. The majority of American Samoa's housing and infrastructure will face significant threats from the relative SLR and associated increases in nearshore SS wave energy.

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Specifically, the research team will produce sea-level rise projections for American Samoa that combine the effects of subsidence and climate change. The team will also map the spatial extent and frequency of high-tide and wave-driven coastal flooding anticipated in coming decades.

In 2022, American Samoa's electricity consumption relied heavily on fossil fuels, with more than 90% coming from these sources. This indicates a significant dependence on non-renewable energy, which contributes to climate change and environmental degradation.

We're in American Samoa, where sea level is rising faster than anywhere else in the US and almost 3x faster than the global average. In response, engineers, scientists, planners, and community members have worked together to develop a new tool--the American Samoa Sea Level Rise Viewer-- to help officials and villages predict and plan for coming sea level changes.

By investing in green businesses and technologies, American Samoa can create sustainable growth, new jobs, and help lower energy prices. American Samoa's strategic energy plan outlines the path toward participation in the new economic framework. The plan puts American Samoa at the forefront of progress, innovation, and change in the

This study aims to bring increased attention to the immediate threats to American Samoa's way of life, and to demonstrate the utility of SWASH for extrapolating wave transformation to future...

This factsheet provides a high-level overview of American Samoa's power and transportation sectors - as well as territorial policies, challenges, and opportunities related to renewable energy, energy efficiency, and resilience.

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In the Pacific, SLR may reach 0.6-2.5 m by the end of century, and on Tutuila, American Samoa (AS), apparent SLR is five times the global average, making adaptation planning critically...

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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