

How much solar power does American Samoa have?

In 2021,solar power accounted for about 11%of American Samoa's electricity generating capacity. American Samoa is less than 1,000 miles south of the equator and has abundant solar energy resources.

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/kWhfor 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).

What is the energy goal for 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 2021,per capita electricity consumption in American Samoa was about 70% less than the U.S. average.

Does American Samoa have energy issues?

Although energy burdens pose a real challengein 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.

Is American Samoa a renewable country?

American Samoa's energy sector relies almost entirely on imported fossil fuels,although renewables represent a small but growing power system contribution. The territory possesses substantial solar energy resources,as well as wind and biomass resource potential.

Does American Samoa have a geothermal energy plan?

The 2016 American Samoa Energy Action Plan identifies some geothermal resources,but none of these are viable for commercial electricity generation. The 2016 plan instead emphasizes the development of wind and solar power (Ness,Haase,and Conrad 2016). American Samoa is exploring opportunities for both offshore and onshore wind power generation.

American Samoa is home to numerous installations of residential solar panels due to its sunny climate and abundance of sunshine hours throughout most months of the year. This makes American Samoa an ideal location for installing a residential solar panel system because you can get more bang for your buck when it comes to generating free ...

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.

In American Samoa specifically, there are several federal government initiatives available for residents who wish to install solar systems on their properties or businesses: namely through the Residential Renewable Energy Tax Credit (RRETC), the Business Energy Investment Tax Credit (BIITC), and Net Metering Programs which allow customers with ...

Onshore wind: Potential wind power density (W/m<sup>2</sup>) is shown in the seven classes used by NREL, measured at a height of 100m. The bar chart shows the distribution of the country's land area in each of these classes compared to the global distribution of wind resources. Areas in the third class or above are considered to be a good wind resource.

price for residential customers in American Samoa was approximately 44.97 cents/kilowatt hours (kWh)--almost three times the U.S. average of 15.04 cents/kWh (EIA 2023c). American Samoa's energy sector relies almost entirely on imported fossil fuels, although

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. 2 Renewable energy represents a small but growing power system contribution, although American Samoa relies almost entirely

American Samoa is less than 1,000 miles south of the equator and has abundant solar energy resources. 63,64 In 2021, solar power accounted for about 11% of American Samoa's electricity generating capacity and about 3% of its electricity generation. 65,66 In 2016, ASPA completed conversion from diesel-powered to solar photovoltaic (PV ...

In 2022, the territory's average electricity price was almost 45 cents per kilowatthour, about 3.6 times higher than the U.S. average. 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.

American Samoa 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.<sup>1</sup> Like many islands,

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