



American Samoa energy storage container

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).

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.

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 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.

What is the American Samoa shipyard Services Authority?

The American Samoa Shipyard Services Authority is a key player in American Samoa's energy sector. Shipyard facilities support local shipping and fishing fleets and provide critical services to ASPA tanks and port infrastructure.

What will American Samoa do with the data?

American Samoa plans to make these data available to the public, to students of the Finafin Group (an island community-service project focused on environmental conservation and resilience), and to all other interested parties for science projects and related activities (American Samoa Governor's Office 2023a).

The island nation of Samoa is continuing its effort to convert from diesel-reliant powerplants to 100% renewable energy with the help of Tesla's scalable Powerpack battery storage solution.

The island of Ta'u in American Samoa once relied on diesel fuel to supply electricity. Residents experienced consistent power rationing and outages, and key services like hospitals and schools hinged on infrequent fuel ...



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The 1.4-megawatt PV and 6-megawatt-hour storage system developed by SolarCity can power the entire island for 3 days without sunlight and fully recharge in seven hours, ending the threat of fuel shortages, power rationing, and outages.

Now, the island's electricity is almost entirely provided by the sun, with the installation by SolarCity of 5,328 solar PV panels, totaling 1.4 megawatts. Solar power from the panels is also being stored by 60 Tesla ...

\$70,715 grant to help American Samoa's Ta'u island operate on 100% renewable energy. This grant helps funds the replacement of a smaller diesel-powered emergency backup generator. ...

This report provides recent energy baseline data for the territory of American Samoa. Located roughly between Hawaii and New Zealand, American Samoa is the only U.S. territory in the

\$70,715 grant to help American Samoa's Ta'u island operate on 100% renewable energy. This grant helps funds the replacement of a smaller diesel-powered emergency backup generator. The entire system includes solar photovoltaic panels and battery storage. What is this project? EPA's Pacific Southwest Region provided a grant to the

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 ...

American Samoa faces similar climate and energy resilience challenges as other Pacific islands: geographic remoteness, dependence on imported fossil fuels, and increased vulnerability to natural hazards like earthquakes, cyclones, and tsunamis.

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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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developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of ...

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