



# American Samoa imp energy systems

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.

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).

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).

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.

What is American Samoa's energy policy?

American Samoa is committed to leveraging these and other federal funding opportunities to advance its energy goals and priorities moving forward. American Samoa's energy policy landscape constitutes a blend of multilateral agreements, strategic plans, rules, regulations, and dedicated offices.

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.

IMP Energy Systems & Solutions, LLC (IMPRESS) is a Texas Limited Liability Corporation founded in 2009 with main office in Houston, Texas, USA and a Registered Office in Bengaluru, Karnataka, India. A Consulting/Procurement/Marketing company providing infrastructure related services with built in value added solutions for both private and public ...

Requested from American Samoa Number of IRA Clean Energy Projects requested to date from American



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Samoa PACE \$99,500,000 5 ... efficiency improvements and new renewable energy systems -like solar panels and anaerobic digesters - for farmers and rural small business owners. The program received \$2 billion in the

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

Activity 6: Energy Education in American Samoa (\$298,500) Funding is provided to American Samoa Community College (ASCC) to develop a grassroots effort to increase energy literacy among young Samoans. ASCC will promote energy-related careers and three students will be hired part-time to extend energy awareness into schools. The

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.

money for American Samoa's low-income families. Over the course of the Recovery Act, American Samoa expects to weatherize approximately 225 homes. American Samoa was granted \$9.6 million to develop, promote, implement, and manage local energy efficiency programs. The American Samoa government has been

(7) Energy - addressing issues related to American Samoa's energy system, developing projects that encouraged energy independence and sustainable energy use, and identifying options for alternative energy sources.

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 the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided

American Samoa has limited resources and, therefore, suffers economically without assistance from abroad. Investing in energy efficiency and renewable energy is an opportunity to alter the perception. This strategic energy plan prepares American Samoa to harvest its abundant energy resources for the betterment of all its citizens.

American Samoa Energy Action Plan Scott Haase, Sean Esterly, David Herdrich, Tim Bodell and Charles Visser Sponsored by the Department of the Interior Office of Insular Affairs August 2013 Produced under direction of the U.S. Department of the Interior Office of Insular Affairs by the National Renewable Energy Laboratory (NREL) under Interagency Agreement IAG10-1773 ...



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Renewable Energy Projects American Samoa's largest renewable energy facility is a 1.75-MW ground-mounted PV grid-connected system that is expected to replace over 175,000 gallons of ASPA diesel fuel consumption. In addition, American Samoa possesses more than 700-kW of roof-mounted PV on government and private

There are many renewable energy opportunities for American Samoa, although more detailed project and resource assessments are needed to confirm the viability of specific options for development. Wind and solar energy have the potential to play a significant role in supplying electrical energy to American Samoa.

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.

need to be taken to implement those strategies. In August 2016, following the action-planning workshops, ASREC adopted a goal of having 50% of ... to 100% renewable energy on Manu'a System under construction : Wind and solar deployment for Tutuila ... was used by ASREC to complete the American Samoa Energy Strategies 3 document. In May 2013 ...

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.

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.

1 ?&#0183; Also in American Samoa, Mana Solar LLC plans to use a \$23.5 million investment to develop a 13.4-megawatt community solar and battery energy storage system. This will ...

USDA, helped American Samoa achieve attainment of aquatic life and recreational uses for six local watersheds. American Samoa EPA (AS-EPA) also built the first LEED Platinum building in the South Pacific between Hawaii and Australia. Tutuila Island is the largest (140 km<sup>2</sup>) and main island of American Samoa. It contains a large, natural

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2,500 households on Tutuila Island, meeting nearly 12% of their energy needs with renewable energy.

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