

# AMERICAN SAMOA WYF NEW ENERGY

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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.



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.

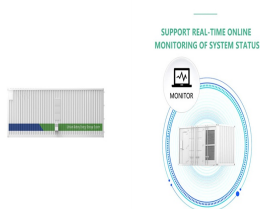
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When did American Samoa adopt its emergency energy conservation plan? American Samoa adopted its Emergency Energy Conservation Plan in 1982(see Chapter 5,Annex A of ASCA 12 for plan details). 1981: Title 12 ASCA establishes ASPA,creating an institutional structure for the generation,transmission,distribution,and sale of electric power within American Samoa.



abstract = "Located approximately between Hawaii and New Zealand, American Samoa is the only U.S. territory in the southern hemisphere. 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 ???



T1 - American Samoa Energy Strategies. AU - Conrad, Misty. AU - Esterly, Sean. PY - 2013. Y1 - 2013. N2 - In recent years, global energy prices have become increasingly volatile. 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



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 Ocean (14° N and 170° W) approximately halfway between Hawaii and New Zealand. The total land area of the territory is 199 kilometers squared (km

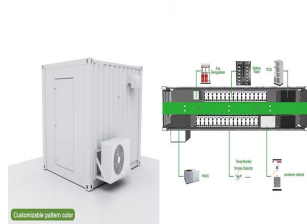


Faga"itua Bay, Tutuila, American Samoa and cross-shore transect. (a) Satellite imagery of Tutuila Island (inset) and Faga"itua Bay from (b) A closer view of the reef and its variable coral cover.Pressure sensors deployed in 2017 are marked in yellow (A = nearshore, B = mid-reef, C = reef face) and the red lines mark the 100 m-wide section of reef from which we ???

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Samoa: Energy intensity: how much energy does it use per unit of GDP?  
Click to open interactive version. Energy is a large contributor to CO<sub>2</sub> ???  
the burning of fossil fuels accounts for around three-quarters of global  
greenhouse gas emissions. So, reducing energy consumption can  
inevitably help to reduce emissions.



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.



The TEO plans to sign a Memorandum of Agreement (MOA) with Pacific Northwest National Labs to provide energy code development support.  
Activity 4: Energy Distribution: Increase Energy Efficiency (\$850,000) A sub-grant to American Samoa Power Authority (ASPA) will fund the installation of a new 13.2 KV feeder line at the Tafuna Power Plant.

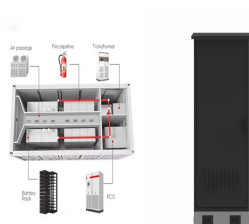


Energy Information Administration - EIA - Official Energy Statistics from the U.S. Government New Jersey New Mexico New York North Carolina North Dakota Ohio Oklahoma Oregon Pennsylvania Rhode Island South Carolina American Samoa: United States: Period: Recoverable Coal 0 million short tons 251,539 million short tons



American Samoa's businesses, universities, non??? profits, 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

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The Pacific Energy Group became established in the American Samoa in 2010 thanks to the acquisition of the BP assets. As soon as 2011, the signature of a contract with the US Defense Aviation consolidates the Group's position. In 2013, the American Samoa Power Authority (ASPA) makes Pacific Energy its one and only lubricants supplier, and



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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.



The Samoa Energy Database has recorded up to 22 community -based biogas systems installed from 2010 t o 2022. These projects were funded by Improving the Performance and Reliability of Renewable Energy Power Systems in Samoa (IMPRESS), Youth With A Mission (YWAM), Samoa Farmers Association (SFA) and the Water and Sanitation Sector budget



American Samoa's geographic isolation, nonrenewable resources are extremely limited and subject to volatility in pricing and availability. Energy security is fundamental to American Samoa's economic future and quality of life. Consequently, creating a stable investment atmosphere remains challenging, while



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

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American Samoa government has been

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## Commercial and Industrial ESS

- Budget-Friendly Solution
- Renewable Energy Integration
- Modular Design for Flexible Expansion



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.



E/V Nautilus has set sail on its sixth expedition of 2024, E Mamana Ou Gataifale II (NA165). The expedition will explore deep-sea habitats around American Samoa in collaboration with the National Marine Sanctuary of American Samoa (NMSAS) and other partners, providing data needed from deep ocean areas to inform resource management, ???



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



Country name. conventional long form: American Samoa conventional short form: American Samoa abbreviation: AS etymology: the meaning of Samoa is disputed; some modern explanations are that the "sa" connotes "sacred" and "moa" indicates "center," so the name can mean "Holy Center"; alternatively, some assertions state that it can mean "place of ???



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WHITEFISH, MT (June 27, 2017) ??? U.S. Secretary of the Interior Ryan Zinke today informed American Samoa Governor Lolo Moliga, Guam Governor Eddie Calvo, and Commonwealth of the Northern Mariana Islands (CNMI) Governor Ralph DLG Torres that he has approved a total of \$3,489,427 in energy grants for their respective territories. The Secretary and the Governors ???



DEVELOPING A 21 ST CENTURY ENERGY FROM WASTE FACILITY IN AMERICAN SAMOA Marc J. Rogoff, PhD SCS Engineers Tampa, Florida, USA Michelle Mullet Nicholls SCS Engineers Long Beach, California, USA Michael Keyser American Samoa Power Authority Pago Pago, American Samoa Paterno Lafaele American Samoa Power Authority Pago Pago, ???



American Samoa U.S. Department of Energy Energy Snapshot Installed Capacity 42.2 MW RE Installed Capacity Share 13% Peak Demand (2019) 23.4 MW Total Generation (2019) 169.4 GWh Electricity Access Total population 59% Urban population 60% Rural population 45% Average Electricity Rates (USD/kWh)



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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) electricity ???