



American Samoa storage of renewable energy

With this grant funding, ASPA will add additional 150kW photovoltaic panels and 500 kWh of battery storage, significantly reducing the need for diesel generators, and bringing ...

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American Samoa's 2023-2024 report provides a high-level overview of American Samoa's energy sector, the current climate and energy policy landscape in the territory, and the climate- and energy-specific challenges facing American Samoa.

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 strategic energy plan for American Samoa considers solutions that are needed in the near future. Therefore, the plan will initiate strategy and actions toward achievable goals to be completed by October 2016.

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.

American Samoa uses imported fossil fuels for almost all of the territory's energy needs, including transportation, drinking and waste water treatment, and most (about 97% in 2021) of its electric power generation.

The energy policy landscape in American Samoa constitutes a blend of multilateral agreements, strategic plans, rules, regulations, and dedicated offices. In 2016, the American Samoa Renewable Energy Committee (ASREC) adopted a goal to meet 50% of the territory's energy needs from renewable resources by 2025 and 100% by 2040 (EIA 2023a).

emissions from renewable power is calculated as renewable generation divided by fossil fuel generation multiplied by reported emissions from the power sector. This assumes that, if renewable power did not exist, fossil fuels would be used in its place to generate the same amount of power and using the same mix of fossil fuels. In countries and ...

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Renewable energy represents a small but growing power system contribution, although American Samoa relies almost entirely on imported fossil fuels. The territory possesses substantial solar resources and wind and biomass resource potential.

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