



Apia electricity consumption

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Year-to-year change in primary energy consumption by source. Year-to-year change in primary energy consumption from fossil fuels vs. low-carbon energy. Year-to-year percentage change in primary energy consumption. Years of fossil fuel reserves left.

Apia, Samoa - The official dedication of the \$11.3 million Tala Afolau Biomass Gasification Power Plant marks a new era for Samoa in its renewable energy efforts. The new Plant will produce five-million-kilowatt an hour (kWh) of electricity per annum based on running the 750kw plant at 85 per cent of its capacity at 90 per cent of the time.

ELECTRICITY PRODUCTION. Hydro and diesel power were the main sources of electricity production, contributing 32.33% and 67.66% respectively, while solar power contributes .01%. For this period, the Corporation generated 109,029,555 kWh, as illustrated in details as per statistic and graphic form below. Location/Source.

Iceland is by far the largest per capita consumer of electricity worldwide, averaging 53.9 megawatt-hours per person in 2023. This results from a combination of factors, such as low-cost ...

Fossil fuel energy consumption (% of total) Energy use (kg of oil equivalent) per \$1,000 GDP (constant 2017 PPP) Combustible renewables and waste (% of total energy) Electricity production from oil sources (% of total) Access to clean fuels and technologies for cooking, rural (% of rural population)

Humankind consumes vast amounts of energy each year. Some energy sources can be used directly--for instance, coal and natural gas can be burned to heat homes. But more often, energy sources are used to produce electricity, which has an almost boundless range of uses. These include heating and cooling homes; preparing food; and powering a vast array of modern devices, from cell phones and computers to satellites and medical equipment.

In order to determine overall energy consumption, it is necessary to combine consumption data for many energy sources, including (but not limited to): electricity consumption by country, oil consumption by country, natural gas consumption by country, and coal consumption by country.

As shown in the tables above, when broken down by energy category, the order changes but the countries included stay largely the same. However, when consumption totals are divided by the population to determine the per capita use of energy, the highest consumer is neither the United States, China, nor any other country in the top 10. Instead, that honor goes to Iceland.

In 2019, Iceland ranked 73rd in the world in electricity consumption and tied for 139th in oil consumption (see

data table after body text). But the country's average energy use per capita in 2020 was more than 167,000 kilowatt hours per person per year. For comparison, China had the highest overall energy consumption in the world, but also the highest population, resulting in a comparatively minuscule average energy use of 28,072 kWh per person per year.

There also exist nations that consume very little energy. This is typically due to the countries having a small overall population, but factors like the level of development (particularly infrastructure such as roads and electrical grids) also play a role. Whatever the reason, more than two dozen countries and territories consume fewer than a billion kilowatt hours of electricity per year, and eleven are known to consume very little oil as well.

Oil presents a similar trade-off. Even before the invention of the internal combustion engine revolutionized transportation of both humans and product, oil was used to provide light and heat to homes and businesses--but it must be burned in order to unleash its energy, and as such releases significant greenhouse gases and contributes heavily to both the carbon footprint per country and global warming.

These concerns have led to rising interest in green and renewable energy sources, with many countries increasing their investment in wind power, solar power, and other forms of renewable energy, with the goal of ultimately becoming a carbon negative country.

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