

## Bhutan electricity market trends

Based on the observed patterns in the economy over the past decade, it is evident that electricity will continue to dominate, contributing to approximately 67.7 percent of the overall fuel mix by 2046. This is followed by diesel (9.8%), petrol (8.5%), coal (6.6%), biomass (5.2%), and LPG (1.2%).

reliable and quality electricity supply, BPC continues to upgrade and extend electricity coverage in the country and also invest in the automation and smart grid technology. As on December 31, 2023, BPC has 243,285 customers which is 4.65 % increase from last year and sold 5,689.74 Million Units (MU) of electricity, which is an increase by 64.20%

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

of Bhutan. MISSION To provide affordable, adequate, reliable and quality electricity services to customers. CULTURE & CORE VALUE IMPACT: - Integrity, Mutual Respect, Professionalism, Accountability, Care, and "Tha Dhamtse". DESTINATION STATEMENT To make BPC into a 45 billion company by 2020 To contribute Nu. 5,700 million as annual

Bhutan: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.

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In the selection box above you can also add or remove additional countries and they will appear on all of the charts on this page. This allows you to compare specific countries you might be interested in, and measure progress against others.

In the energy domain, there are many different units thrown around - joules, exajoules, million tonnes of oil equivalents, barrel equivalents, British thermal units, terawatt-hours, to name a few. This can be confusing, and make comparisons difficult. So at Our World in Data we try to maintain consistency by converting all energy data to watt-hours. We do this to compare energy data across different metrics and sources.

Electricity is a good that adds massive value to modern life: from having light at night; to washing clothes; cooking meals; running machinery; or connecting with people across the world. Many would argue that it is a

crucial for poverty alleviation, economic growth and improved living standards.<sup>1</sup>

Having clean fuels and technologies for cooking - meaning non-solid fuels such as natural gas, ethanol or even electric technologies - makes these processes more efficient, saving both time and energy.

Like total energy, the amount of electricity a country generates in total is largely reflected by population size, as well as the average incomes of people in the given country.

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