

Why do Bhutanese households switch to cleaner energy sources?

During the last decade significant numbers of Bhutanese households have switched to cleaner energy sources. Empirical results show that a household's choice of cleaner energy sources is driven by income level and household wealth, the age, gender and education of the household heads, access to electricity, and location.

Why is LPG a preferred energy source in Bhutan?

LPG has been observed to be a preferred option in Bhutan due to accessibility and familiarity. High-income households are in a more advantageous position for opting for cleaner and more efficient energy sources like electricity and LPG; this finding is in line with similar studies in India ,,. Fig. 6.

What is the intensity of household energy consumption of a particular source?

The intensity of household energy consumption of a particular source is defined as the share of household expenditure on a particular source of energy compared to the total household energy expenditure. Since the dependent variable is bounded between 0 and 1, the equations are estimated using the Tobit model. Table 4.

A survey of urban household energy usage patterns, types of fuel used for various applications and their reasons for choice of certain type of fuels and appliances was conducted in 2008-2009 ...

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This study aims to find the energy-saving potential of Bhutan by analyzing future energy demand from the residential building sector using a scenario-based modeling tool called Long-range Energy Alternatives Planning (LEAP). The research was an integration of primary and secondary data calculations.

In this study, the trends and transition of household energy choice patterns in Bhutan are analyzed and the factors that determine household energy choice, consumption intensity, and per capita household expenditure are identified using data collected by the National Statistical Bureau for the Bhutan Living Standard Survey for the years 2003 ...

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In Bhutan, the major sources of energy used at the household level are firewood, kerosene, LPG, and electricity. Thus the hypothetical energy ladder at the micro-level for Bhutan constitutes of firewood at the bottom, kerosene in the middle, and LPG and electricity at the top.

Energy poverty is generally described and quantified at the household level, exposing potential household characteristics in terms of energy costs and benefits and access to energy services.

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Suggestions for reducing home energy use include compact household size, home locations are in densely populated areas, home appliances used should be energy saving types, and renewable energy use in the city must be encouraged.



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