

The study's scope includes Botswana's energy system from 2015-2050, including the cooking and high heat sectors, as well as transportation. The findings underscore the pivotal role of solar ...

This study utilises the Open-Source Energy Modelling System (OSeMOSYS) to analyse costs, energy generation, and fuel requirements for Botswana's Nationally Determined Contribution ...

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Techno-economic data and assumptions for long-term energy systems modelling in Botswana. This includes data on electricity generation and consumption, electricity imports and exports, fuel prices, emissions, refineries, power transmission and distribution, electricity generation technologies, and renewable energy potential and reserves for the ...

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The study utilizes the Open-Source Energy Modelling System (OSeMOSYS) to explore cost-effective renewable energy strategies to meet Botswana's Nationally Determined Contributions (NDCs) and enhance energy security by 2050, analysing six scenarios: Least Cost (LC), Business-As-Usual (BAU), Net Zero by 2050 (NZ), Coal Phase Out by 2045 (CPO ...

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