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Title: Namibia energy storage pays off in one year

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Is there a least-cost energy investment pathway for Namibia until 2040?

To support these decisions, this study provides a least-cost energy investment pathway for Namibia until 2040, alongside a comparative analysis of the proposed Baynes hydropower project and least-cost solar and wind alternatives.

Should Namibia invest in wind and solar?

Private investment in wind and solar could help Namibia to move away from dependence on unreliable hydropower and expensive imports. Indeed, our analysis suggests this is the cheapest and best technological pathway for Namibia and should thus be prioritized by energy planners.

How can Namibia meet its energy demand?

Namibia is at a crucial point in the development of its energy system - the country must soon make critical decisions to meet its growing energy demand. In particular, it must decide whether to prioritize the development of large-scale hydropower, namely the Baynes dam, or to develop abundant solar and wind resources.

What is Namibia's energy status & least-cost future?

3. Namibia's energy status and least-cost future Namibia has a relatively small energy sector, with an estimated installed capacity of ~640MW.²⁰ This is made up of Nampower's three key powerplants,²¹ renewable energy Independent Power Producers (IPPs), as well as some off-grid capacity.

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