

# **Namibia energy storage pays off in one year**





## Overview

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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.

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.

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.

Does Namibia have a large energy system?

1.2. Background Namibia has a small energy system that is dominated by its 347MW Ruacana hydropower plant, along with imports from neighbors facing growing supply issues of their own. This system will have to be substantially expanded and improved to satisfy energy demand that is projected to double in the next 20 years.



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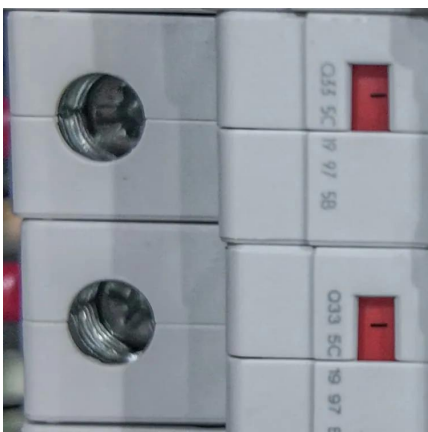


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