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MARKET: Malaysia PHOTO: Full Color ASR: MYR 2,805.00 ITEM ID: MY0062573922



17 FEB, 2025

Energy demand in Sabah: Impact of power shortages

Daily Express (KK), Malaysia



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Dr Iling Ma and Fiona V Loijon IN recent years, Sabah has seen a significant increase in energy demand, driver IN recent years, saoah has seen a sagnitcan increase in energy demand, driven
by rapid economic growth, population
growth, and industrial development. As
of 2024, the majority of electricity generated in Sabah comes from Independent
Power Producers (IPPS), which supply
73pc of the total power, while Sabah
Electricity (SE) accounts for the remaining 27pc. The state's total installed electricity capacity is 1,487 MW, with a
reserved margin of only 5pc, serving a
population of about 3.7 million people.
This rise in energy usage is closely linked
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The rapid economic growth in Sabah

particularly (See Jacounts for the remaining zppc. The state's total installed electricity capacity is 1,487 MW, with a reserved margin of only spe, serving a population of about 3.7 million people. This rise in energy usage is closely linked to the state's ongoing industrialisation efforts.

The rapid economic growth in Sabahis a key factor behind the increased energy demand. The state is moving to the state's of the state's of the state's moving and tourism.

For instance, the establishment of industrial parks and commercial centres has created job opportunities and increased energy consumption. Industries require significant amounts of energy for various operations, such as trunning machinery, lighting, heating, and cooling, which contributes to the verall demand for electricity.

Moreover, Sabah's steadily growing population is fuelling the need for more energy. There has been a noticeable rise in residential energy consumption as more homes are built and more people ove in.

According to the Rahim & Co. Kota, Kimbalai Housing Property Monitor, the state in the standard of electricity is a year-on-year increase of 17,03pc in volume and 2,24pc in value. Most of these transactions were concentrated in Kota Kinabalu, Penampang, and Putatan. As urbanisation continues, the demand for essential resources such as electricity, water, and transport fuels is also increasing putting additional pressure on the energy supply system.

Technological advancements have also played a role in increasing energy demand.

The growing usage of electronic devices like smartphones, laptops, and other gadgets has led to higher energy consumption. Although many modern applances are energy-efficient, the sheet in the control of the property demand.

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Despite the increase in energy demand, Sabah's energy supply has struggled to keep up, leading to power shortages. (Pic: Bernama)