



Singapore renewable electricity

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What could Singapore's energy mix look like in 2035? Singapore currently relies ...

Why does Singapore need to import its electricity? Why can't it just rely on solar power?

SINGAPORE: Where Singapore gets its electricity from has been in the headlines in recent months, with the announcement that the country will import electricity from Malaysia and the opening of the largest energy storage system in Southeast Asia on Jurong Island.

Last Monday (Jan 30), it was announced that Singapore will import 100 megawatts (MW) of electricity from Malaysia as part of a two-year trial, under a joint agreement between YTL PowerSeraya and TNB Genco.

This marks the first time that electricity from Malaysia will be supplied to Singapore on a commercial basis.

Another agreement to import renewable energy from Laos was inked last year between Keppel Electric and Laos' state-owned Electricite du Laos (EDL).

Last month, Sun Cable - the company aiming to develop a A\$30 billion (S\$27.6 billion) project to supply solar power from Australia to Singapore via undersea cables - announced it was entering voluntary administration.

Questions asked online include why Singapore needs to import electricity and whether it can rely on solar energy.

CNA looks at Singapore's power sources and where the country's electricity could come from in the future.

About 95 per cent of Singapore's electricity is generated from natural gas, which is the cleanest form of fossil fuel, as it produces the least amount of carbon emissions per unit of electricity.

Using natural gas has allowed Singapore to cut the amount of carbon it releases into the atmosphere.

According to government agency website Powering Lives, natural gas will "continue to be a dominant fuel for Singapore in the near future" as the country scales up other sources.

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Web: <https://www.kary.com.pl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

