

Will Oman be able to generate electricity from natural gas?

Based on recently awarded bid prices in the region, utility solar PV and wind are likely already competitive with electricity generation from natural gas in Oman. The IEA report's analysis indicates that Oman can cost-effectively achieve its targets of renewables reaching 20% of the country's electricity mix by 2030 - and 39% by 2040.

Is Oman a natural gas country?

Oil and gas today represent around 60% of Oman's export income, and domestic natural gas accounts for over 95% of the country's electricity generation. In 2022, Oman announced a target to achieve net zero emissions by 2050 and began reducing fossil fuel use in its domestic energy mix.

How can Oman improve its oil production?

Improvements in Oman's capacity and efficiency - such as enhanced oil recovery techniques, including the use of solar steam to extract oil from deposits located deep underground instead of natural gas - are expected to let it allocate more resources for higher value segments.

Can Oman achieve net-zero emissions by 2050?

These include energy efficiency projects such as those that aim to reduce natural gas and methane emissions by using advanced monitoring techniques like satellites and thermal cameras. This followed the official announcement in October 2022 that Oman aims to achieve net-zero emissions by 2050.

How will Oman's natural gas supply impact industrial growth?

Oman's reserves of natural gas are set to play a leading role in fuelling the country's industrial growth in the coming years, as processes that currently use fossil fuels begin to switch to green hydrogen, allowing Oman to step up exports of its surplus gas as liquefied natural gas (LNG).

Does Oman have a Hydrogen strategy?

Oman has extensive expertise in handling and exporting both LNG and ammonia that is directly applicable to renewable hydrogen and hydrogen-based fuels. Oman is implementing concrete measures to achieve its ambitious targets. In 2022, the government established an independent entity, Hydrogen Oman (HYDROM), to lead and manage its hydrogen strategy.

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The transition to this greener source of energy may be relatively easy for Oman, as it can repurpose its existing energy infrastructure and trade relationships towards the exporting and industrial usage of green hydrogen.

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As OPES 2024 approaches, there is a lot of excitement about what promises to be a game-changing event that will drive sustainable energy solutions for Oman and beyond. With a strong program of conferences, workshops, and sessions, OPES is a light of energy innovation, collaboration, and growth.

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