Seychelles renewable energy and distributed generation

Renewable energy in Seychelles is a recent development in providing power to the country. Electricity for the island nation of Seychelles is primarily produced by diesel generators which must import their fuel (69 MW on Mahe and 12 MW on Praslin). [1] Energy policy calls for 15% renewables by 2030.

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Seychelles relies heavily on fossil fuels to meet its electricity demand, with fossil fuels accounting for around 20% of the country"s imports. The country has set a target of 5% renewables by 2020 and 15 percent by 2030.

Like many other small island developing states (SIDS), Seychelles faces extremely high and fluctuating power costs resulting from dependency on mineral oil products for power generation and fuel for transportation.

Seychelles, like many similar island nations, depends heavily on imported energy, in the form of fossil fuels. In 2019, a staggering 98 percent of the country"s energy came from this single resource.

It aims to diversify the energy supply, with a Seychelles Energy Policy for 2010-2030 recommends a sustainable development of the energy sector focusing on energy efficiency, renewable energy and reducing the dependence on oil to improve energy security.

Considering the randomness that is involved with renewable and distributed energy integration, models based on artificial intelligence (AI) possess the capability to significantly enhance the energy supply as well as trade and consumption patterns.

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