



Kiribati energy

What is the Kiribati energy roadmap?

The KIER is Kiribati's comprehensive energy roadmap, which takes into account renewable energy and energy efficiency potential in all sectors from 2017 to 2025.

Does Kiribati need electricity?

As a small, remote island state, Kiribati is highly dependent on imported energy supply. Electricity is one of the government's largest expenditures. Yet the current fossil fuel-based power system is inadequate to meet future demand.

Should solar PV be deployed in Kiribati?

The findings of this roadmap show that power sector is a key area, where the ongoing efforts from the deployment of solar PV should be continued and complemented with an improvement of efficiency in Kiribati's entire energy system, including electricity use, heating, cooling, and transport.

energy roadmaps that improve energy security, reduce dependency on fossil fuel and increase access to electricity. In 2012, Kiribati worked with the International Renewable Energy Agency (IRENA) to conduct a Renewables Readiness Assessment (RRA) and has adopted the renewable energy targets defined in the RRA. In September 2014, Kiribati joined ...

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developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided

The Kiribati Integrated Energy Roadmap (KIER) 2017-2025 (International Renewable Energy Agency, 2017) states the objective to reach a rate of 100 per cent by 2025. However, due to a slower rate of electrification since COVID-19, it is expected that the 100 per cent access rate will be achieved in 2030.

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The potential for this development of coconut oil as an alternative fuel for diesel, for both power generation and transport, is also a key element that requires further development for a truly sustainable energy supply for renewable and local sources, complementing the important role of solar PV and for Kiritimati - wind in the electricity sector.

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