

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.

Does Kiribati have a solar power system?

Kiribati has been successfully using solar PV for outer island electrification for over 20 years. The government-owned Kiribati Solar Energy Company (KSEC) has a pool of technicians skilled in the installation and maintenance of off-grid solar power systems.

How does Tarawa use electricity in Kiribati?

Tarawa uses the bulk of the energy imported to Kiribati. Kiritimati is the largest island in Kiribati, but has little land transport. Instead, most residents are connected to one of the small diesel-powered electricity grids located on the island.

Why does Kiribati have no fossil fuels?

Due to the fact that Kiribati has no fossil fuels, the demand for petroleum products, mainly diesel, gasoline and kerosene, is met solely by fuel imports though CNO is produced locally and there is potential for it to replace a portion of petroleum imports.

How can Kiribati develop a CNO-based fuel?

Prepare a CNO implementation plan for Kiribati to determine the specifications and timelines necessary to develop CNO as an acceptable diesel fuel replacement. Establish fuel standards and a testing facility for CNO-based biofuel to be used for power generation and transport. Develop mobile copra mills for use on Kiritimati and outer islands.

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contained energy system, fuelled by indigenous resources, is needed with great urgency. With this goal in mind, Kiribati in 2012 conducted the Renewables Readiness Assessment (RRA) process laid out by the International Renewable Energy Agency (IRENA).

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Kiribati's dependence on imported oil to meet the majority of its energy needs creates vulnerability to oil price volatility and results in high energy costs, which place a burden on local development.

Increasing the adoption of minimum energy performance standards and labelling (MEPSL) for lighting, refrigeration and air-conditioning as well as introducing electric vehicles for government ministries can be a viable solution for Kiribati to reduce the energy demand.

