

How is energy productivity measured in Jamaica?

Performance on the generation side of the electricity industry is measured in terms of energy productivity defined in Equation 1. In the case of Jamaica, total net generation by the industry is made up of net generation by the JPSCo and by IPPs. The energy sources from which electricity is generated include thermal, hydro and wind.

What is Jamaica's energy source?

This page is part of Global Energy Monitor's Latin America Energy Portal. Oil and natural gas continue to supply most of Jamaica's energy, supplemented by significantly smaller contributions from renewables. As of 2020, nearly 89% of electricity was still generated by fossil fuels.

Does Jamaica have a better record of implementing the National Energy Policy?

According to the MEM (2009), nineteen (19) state entities will play key roles in implementing the seven goals of the National Energy Policy. However, all the agencies will be coordinated by the MEM. One of the main concerns of this study is that Jamaica has a better record of planning than that of implementation.

Why is the Jamaican electricity sector important?

It also forms part of a broader exercise to develop a framework for benchmarking the Jamaican electricity sector. The performance of Jamaica's electricity industry is crucial for several reasons. Firstly, there is a high degree of correlation between electricity consumption and gross domestic product (GDP).

How much electricity does Jamaica have?

As of 2020, Jamaica's installed electrical capacity was 1156 MW, supplied primarily by fossil fuels (83.73%), followed by wind (8.82%), solar (4.93%) and hydro power (2.52%).

Does Jamaica's energy consumption support low value added activities?

In essence, Jamaica's energy consumption has been increasing at a much faster pace than the expansion of the economy. This could mean that Jamaica's increasing electricity consumption is supporting low value added activities. If the same electricity resource was targeted toward higher value added activities, Jamaica could increase GDP per capita.

By following the examples of Uruguay and Costa Rica, Jamaica can rapidly transition to a cleaner, more reliable energy system. Public ownership of the grid, combined with private investment in renewable energy generation, ...

Jamaica's journey towards achieving 50% renewable energy by 2030 reflects the country's dedication to energy transformation despite facing significant challenges as a Small Island ...

The generation side of Jamaica's electricity industry was analysed using four indicators of energy productivity namely: (i) KWh/BOE for the entire oil-based thermal generating system (JPSCo ...

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