



Athos energy Belize

How can Belize achieve a low-carbon community by 2033?

This strategy establishes a framework for transitioning Belize's energy sector and recommends programs and action plans for achieving a low-carbon community by 2033 through improved energy efficiency and conservation measures as well as increased development of the country's renewable energy resources.

What are the four main sources of energy in Belize?

Energy in Belize is based on four main sources: imported fossil fuels, biomass, hydro, and imported electricity. (2003 data from Launchpad Consulting).

Where does the energy in Belize come from?

Almost half the energy in Belize comes from hydroelectric power and biomass. BEL purchases 71.5% of its electricity from five domestic independent power producers (IPPs) which produce much of the remaining energy--about 55.6%--of all the electrical needs of the country, and about 40% from a Mexican government-owned electric utility.

How much does electricity cost in Belize?

Belize's utility rates are approximately \$0.22 per kilowatt-hour (kWh), lower than the Caribbean regional average of \$0.33/kWh because of existing renewable energy projects, but still high compared with U.S. mainland rates.

How many MW of hydroelectric power does Belize have?

Current hydroelectric capacity is produced by 25.5 MW at the Mollejon Hydro Plant, 7.0 MW at the Chalillo Hydroelectric Dam Plant, 19 MW at the Vaca Hydroelectric Facilities, and 3.5 MW at the HydroMaya Dam. The University of Belize has a solar photovoltaic (PV) system that supplies 0.1% of the country's electricity supply.

What is the National Energy Plan for Belize?

In 2003, a one-year project entitled Formulation for a National Energy Plan for Belize was implemented by the Public Utilities Commission, funded by the United Nations Development Fund. This project developed a comprehensive National Energy Policy to promote environmentally sound, safe, reliable, and affordable energy.

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3 ???· Belize stands at a critical crossroads in its energy journey -- a nation rich in natural beauty and biodiversity, yet heavily reliant on fossil fuels. As the world grapples with the urgent need to reduce carbon emissions, Belize faces a pressing challenge: how to transition to sustainable energy while safeguarding its



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energy market development in Belize. Because energy expen-ditures comprise a large portion of the average household's budget, more public awareness of renewable energy and energy efficiency could support a transition to a more diverse and cost-effective energy system that relies on local resources. Solar Potential: <42 MWPotential: <40 MW



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