

Does Honduras need a new infrastructure?

However, national renewable energy and sustainable development ambitions in Honduras face important infrastructure constraints. For example, significant investment is needed to enhance the quality of energy and water services, including improvements in coverage and connectivity.

What is Honduras' energy mix?

In 2021, Honduras' energy mix was led by oil, constituting 52.3% of the total energy supply, followed by biofuels and waste at 33.7%. Modern renewables, which exclude traditional biomass practices like burning wood or agricultural residues, accounted for 13.7%, while coal made up just 0.3%.

Does Honduras use biomass?

Traditional biomass - the burning of charcoal, crop waste, and other organic matter - is not included. This can be an important energy source in lower-income settings. Honduras: How much of the country's energy comes from nuclear power?

What type of energy is used in Honduras?

Solar photovoltaic (PV) energy followed at 18.9%, with wind power at 12.9%, and geothermal energy at 5.8%. Due to the diversity of the Honduran landscape, the potential for wind development varies considerably. A 100 MW wind project was built in 2012.

How many hydro power plants are there in Honduras?

There has been an intensive use of small- and medium-scale hydro energy, with 14 out of 16 existing hydro plants with capacity below 30 MW. Two large plants (El Cajón Dam (Honduras) and Rio Lindo) account, however, for more than 70% of the total capacity. In Honduras, there is a large potential for electricity generation based on hydropower.

How many geothermal projects are there in Honduras?

The three planned geothermal projects in Honduras add up to 85.5 MW of installed capacity. The largest of them is called Platanares, in the Department of Copan, which began operations in 2011 with an installed capacity of 40.5 MW and a generation of 354.8 GWh per year.

Regulations that aim to attract increased investments in the deployment of variable renewable energy can improve energy access and meet the electricity needs. The report finds that Honduras has high-quality solar ...

Honduras has set ambitious goals for electricity generation from renewable sources, expecting to reach a 95% share by the end of the next decade. With significant recent capacity additions, the country has already ...

Honduras is on a mission to transform its energy landscape with a strong focus on renewables. In a bid to

achieve an impressive 80% share of renewables in its power generation by 2038, the nation is taking bold steps ...

A soccer field was also built as an additional benefit for the community. This type of local community consultation and tangible benefit is critical for the sustainable implementation of more renewable energy capacity ...

OverviewLegal and policy frameworkEnergy sourcesSee alsoSourcesIn Honduras, there is an important potential of untapped indigenous renewable energy resources. Due to the variability of high oil prices and declining renewable infrastructure costs, such resources could be developed at competitive prices. Currently hydropower, solar and biomass are used on a large scale for electri...

In its Energy Roadmap 2050 and National Plan 2010-2022, Honduras has set a target to achieve an 80% share of renewable energy in the country's total electricity generation by 2038, up from the current 60%. However, national ...

Renewable energy here is the sum of hydropower, wind, solar, geothermal, modern biomass and wave and tidal energy. Traditional biomass - the burning of charcoal, crop waste, and other organic matter - is not included.

