



# Honduras Energy Storage Power Generation Grid Connection Subsidy





## Overview

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This report presents the work conducted by the National Renewable Energy Laboratory (NREL) on the rural electrification of Honduras, focusing particularly on schools and clinics and extending to support broader community development through productive uses of energy.

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Empowering Rural Electrification in Honduras: An Integrated Assessment of PV/BESS and Productive Uses of Electricity in Gracias a Dios Empowering Rural Electrification in Honduras: An Integrated Assessment of PV/BESS and Productive Uses of Electricity in Gracias a Dios NREL/TP-7A40-90865 • November.

Honduras has launched a consultation on regulatory changes to its electricity network to help better integrate energy storage, which it said is key to maintaining the stability, efficiency and sustainability of the network. A three-week public consultation was launched last week (24 July) by the.

1Informe de Cobertura y Acceso a la Electricidad, Secretaria de Energia de Honduras (2023). 2Honduras Country Profile, CIA World Fact Book (2024). 3IADB Energy Hub - Electricity Access Database (2022). 4Honduras Country Profile, IEA (2024). 5World Population Prospects UNPD (2024). Honduras has a.

As Honduras works to overhaul its struggling power sector, the Central American nation has taken a bold step toward attracting global investment—particularly from China. In an effort to secure its long-term energy future, the government has unveiled plans for a \$1.5 billion public tender that will.

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The National Electric Power Company (ENEE) has selected a Chinese-Honduran



consortium to design, supply, install, test, and commission a grid-connected battery energy storage system (BESS) at the Amaratéca substation in the department of Francisco Morazán. Honduran state-owned utility ENEE has. Does Honduras have a power grid?

Honduras's power grid is extensively developed in all departments except the easternmost department, Gracias a Dios. Honduras has granted distribution concessions to 7 utilities nationwide, with the state-owned Empresa Nacional de Energía Eléctrica (ENEE) managing nearly 99% of the electricity grid. electricity. lowest electricity access rates.

Can Honduras generate electricity based on hydropower?

In Honduras, there is a large potential for electricity generation based on hydropower. In 2003 then President Ricardo Maduro put in place a Special Commission for the Development of Hydroelectric Projects. There are 16 new hydro projects that are expected to be commissioned before 2011, with an overall capacity of 206.5 MW.

How much money does Honduras need to build a solar PV plant?

Most recently, Honduras has acquired a loan for US \$29.4 million to build a 51.1 MWp solar PV plant. Secretariat of Energy (SEN) is the primary government body responsible for overseeing the energy sector in Honduras.

How did Honduras respond to the energy crisis?

In 1994, Honduras faced a severe energy crisis, which the government responded to by passing the Framework Law of the Electricity Subsector, permitting the private sector to participate in electricity generation. In 2013, Decree 138 was passed to promote investment in solar PV plants by providing preferential pricing.



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A delegation led by Honduran Finance Minister Christian Duarte and Energy Minister Tejada has presented the government's electricity sub-sector rescue plan to 60 ...



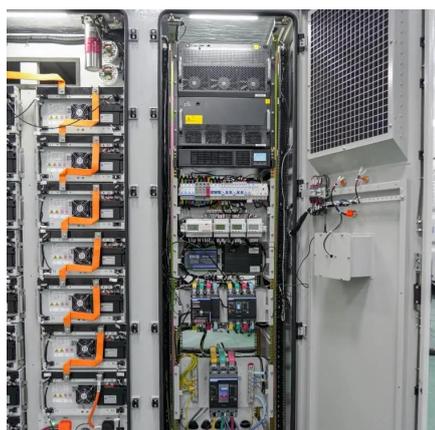
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## Renewable energy in Honduras

Decrees No. 85-98 and 267-98 promote the development of renewable energy-generating plants. The decrees include tax breaks to developers and a secure buyer for energy at prices ...

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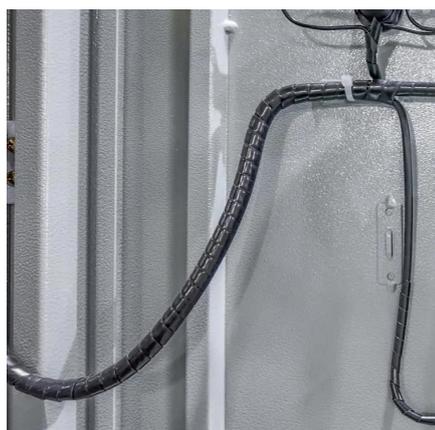
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## Electrification in Honduras

The plan designates each new connection to one of two zones based on whether a grid connection or an isolated system is the least-cost option. It also includes detailed iterations of ...

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Specifically, the government asked for help in identifying the main issues in the power sector, and in addressing them through formulation of a clearly defined, achievable strategy.

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