

# Solar energy for the environment honduras



## Overview

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The new solar plant will help reduce the country's dependence on imported fuel and lower greenhouse gas emissions. Honduras has taken a significant step towards renewable energy with the inauguration of its first state-owned solar power plant. Currently hydropower, solar and biomass are used on a large scale for electricity generation. While the potential of large generation from hydropower and geothermal energy has been studied in detail, the potential for the development of other renewable energy resources is yet to be explored in. With abundant sunlight year-round, the country possesses a unique opportunity to harness solar power as a sustainable solution to meet its growing energy demands. In a bid to achieve an impressive 80% share of renewables in its power generation by 2038, the nation is taking bold steps towards reducing its reliance on fossil fuels. Energy prices tend to be.

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### In Honduras, local communities miss out on benefits of large-scale

Yet, community members in southern Honduras say large renewable energy projects come at the expense of the environment and of their well-being. They blame solar, wind and ...

### Honduras: Community members complain of unbearable heat, water ...

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### Renewable energy in Honduras

In 2022, Honduras' energy mix was dominated by oil, constituting 54.9% of the total energy supply, followed by biofuels and waste at 32.2%. Modern renewables like hydro, solar, and wind, excluding traditional biomass practices like burning wood or agricultural residues, accounted for 12.9%. In 2024, the country had 849 MW of installed capacity in hydro power. There has be...



## Case: Valle Solar - Clean solar energy in rural Honduras

Clean electricity for nearly half a million families - 480,000 - and the elimination of some 78,000 tonnes of carbon dioxide emissions annually: the Valle Solar project in Honduras is living up to its promise.



## Honduras' Renewable Energy Transition

Honduras is at a crucial juncture in its renewable energy journey. By heeding the recommendations laid out in the Renewables Readiness Assessment, the nation can overcome ...

## Solar Power in Honduras: The 2025 Energy Revolution

With over 300 days of annual sunshine, Honduras has one of Central America's highest solar irradiation levels - averaging 5.5 kWh/m<sup>2</sup>/day. Yet less than 12% of its electricity currently comes from ...



## Pathways to Decarbonize Honduras' Power Sector , Environmental ...

Honduras, historically one of the most climate-vulnerable countries, committed



to decarbonizing by 2050 but expects an increase in greenhouse gas emissions from current levels ...

## The Future of Solar Power in Honduras

Explore the future of solar power in Honduras, from current trends to technological innovations and growth opportunities.



## A Green Revolution under the Central American Sun: Solar energy in Honduras

This new solar plant in sunny San Pedro Sula--three hours from Tegucigalpa--is one of the first large-scale photovoltaic projects in the country. It shows the potential for renewable energy ...

## Honduras opens 50 MW solar plant 2025

In addition to its economic benefits, the solar plant will also have a positive impact on the environment. By reducing

the country's reliance on fossil fuels, the project will help lower greenhouse ...



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