Energy and meteo systems Honduras

Honduras is a regional leader in solar energy, with roughly 11% of electricity provided by photovoltaics in 2018 and 2019. As of 2016, the country ranked first in Central America for installed solar capacity and third in Latin America behind Chile and Mexico. Honduras aims for 80% of its energy matrix to be from renewables by 2038.

Recently, the Engineering Faculty of the Universidad Tecnológica Centroamericana (UNITEC), Honduras launched a tool called the Energy Observatory of Honduras. This tool fills the gap that exists in the access to energy data within the country.

This Renewables Readiness Assessment (RRA), developed in co-operation with the Honduran Energy Secretariat (SEN), identifies key barriers and solutions to meet Honduras" targets for renewable energy development and expansion.

These data were also used to calibrate a simple energy system model using the Open Source Energy Modelling System (OSeMOSYS) and three stylized scenarios (Fossil Future, Least Cost and Net Zero by 2050) for 2020-2050.

developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided

GOAL: to promote an understanding, on a global scale, of the dynamics of change in energy systems, quantify emissions and their impacts, and accelerate the transition to carbon-neutral, environmentally benign energy systems while providing affordable energy to all.

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