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If these technologies are ever to dominate our electricity mix, large-scale energy storage needs to be deployed???and fast: Some 310 GW of storage capacity will be required by 2050 in China, India, US and EU alone, according to the IEA???nearly twice the capacity installed worldwide today.



Guatemala's state-owned utility INDE (Instituto Nacional de Electrificación) has promoted the connection of isolated small hydro plants into the national grid. The Ministry of Energy and Mines has also promoted a series of private sector incentives for renewable energy development, including exemptions from income tax, machinery

CAN RENEWABLE ENERGY BE STORED GUATEMALA



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The lack of development and unsustainable energy consumption of natural resources have a negative impact on Guatemalans, which is why the Government of Guatemala is working on policies aimed at social and productive development through efficient energy supply.

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Renewables are an increasingly important source of energy as countries seek to reduce their CO2 emissions and dependence on imported fossil fuels. Renewables are mainly used to generate electricity, though renewable technologies can also be used for heating in homes and buildings.



The National Energy Plan of Guatemala defines the promotion of renewables as a priority. The plan aims to promote the use of clean and environmentally friendly energy for domestic consumption without losing sight of energy security and the need for supply

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emissions from renewable power is calculated as renewable generation divided by fossil fuel generation multiplied by reported emissions from the power sector. This assumes that, if renewable power did not exist, fossil fuels would be used in its place to generate the same amount of power and using the same mix of fossil fuels. In countries and