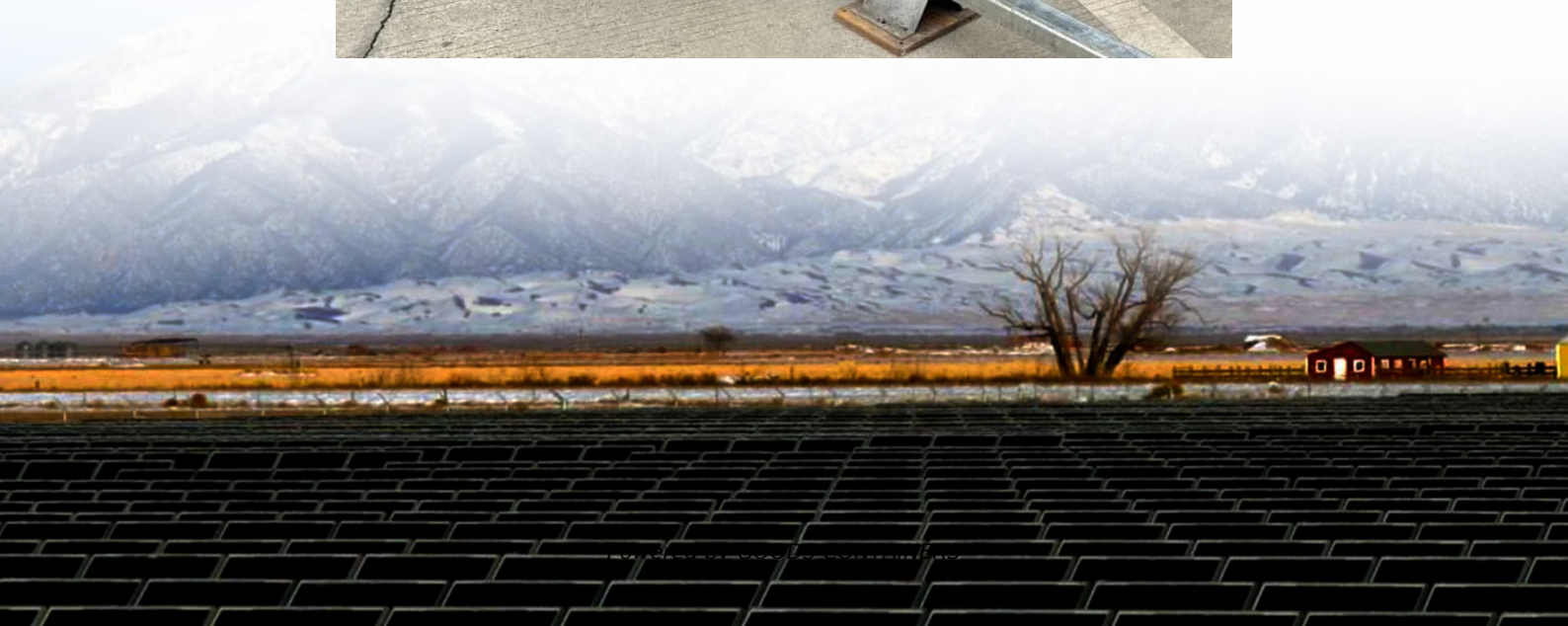


Uruguayan community uses 120kW solar-powered container





Overview

Why is Uruguay a 'relative energy sovereignty'?

Once reliant on exorbitantly priced fossil fuel imports for nearly half of its energy needs, Uruguay has gone from suffering frequent blackouts and power cuts to relative energy sovereignty based almost entirely on electricity generated from a stable mix of wind, solar, hydroelectric, and bioenergy sources.

Does Uruguay have a power grid?

The map of Uruguay's electrical grid today is starkly different from that of 2008, when the majority of power was generated at a few hydroelectric dams north of Montevideo and the rest at a handful of fossil fuel plants in the capital. It's now possible for the entire grid to run several hours a day entirely on wind power.

How does Uruguay get its electricity?

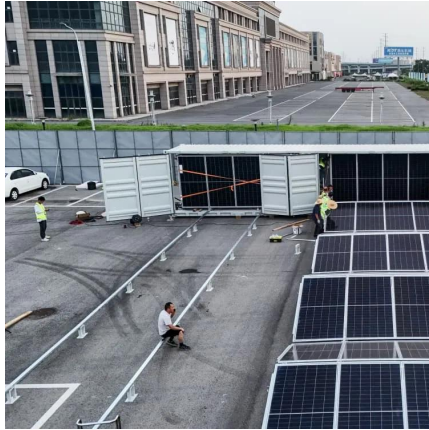
To this day, Uruguay continues to rely heavily on its dams, including the imposing Salto Grande on the Río Uruguay, whose power is shared with Argentina, and several on the Río Negro. For decades, electricity from those dams and from generators running on gas and oil imported largely from Argentina and Brazil met Uruguayans' energy needs.

What percentage of energy is generated in Uruguay?

Hydroelectric accounted for nearly 56 percent of generation, wind 34 percent, bioenergy 6 percent, solar just under 3 percent, with fossil fuel coming in last at 2 percent. Wind energy came in second only to hydropower, accounting for nearly 34 percent of the energy generated in Uruguay that year.



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