

## ContainerPower Energy Solutions

# Cuba Energy Storage Grid



## Overview

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Why has Cuba's energy grid collapsed four times in the last 6 months?

On top of that, Cuba's entire grid has collapsed four times in the last six months. The problem stems from years of neglect of Cuba's energy infrastructure, exacerbated by constrained access to foreign capital and a failure to adapt to new energy options.

Should Cuba update its energy grid?

While small-scale, such renewable energy initiatives can reduce pressure on the energy grid and provide relief in especially vulnerable places. Due to rising temperatures and increasingly unreliable energy infrastructure, action to update Cuba's energy grid is urgently necessary.

How can Cuba build a more resilient energy system?

Building a Cleaner, More Resilient Energy System in Cuba recommends numerous ways by which domestic policy in Cuba can prioritize working towards a more sustainable, resilient grid — especially by investing in the energy transition — and ways in which international cooperation can support these goals.

What does the EDF report tell us about Cuba's electric grid?

The report builds on a previous report published by EDF in 2017. That report, similar to this one, provided information on Cuba's electric grid and recommended paths forward.

Does Cuba have an energy crisis?

Cuba isn't just in an energy crisis; the country's grid sits on the verge of systemic failure. The National Electric System, most of which was built after 1959, hasn't received the investment and maintenance it needs for 35 years—a consequence of Cuba's complex political and economic history.

Why does Cuba have a bad energy system?

Cuba's energy system also suffers from years of reliance on domestic, poor-quality heavy crude oil, which is corrosive because it's high in sulfur. This has accelerated the wear and tear on boilers, turbines, and pipes in Cuba's power plants, shortening their life spans and causing frequent and costly outages.

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