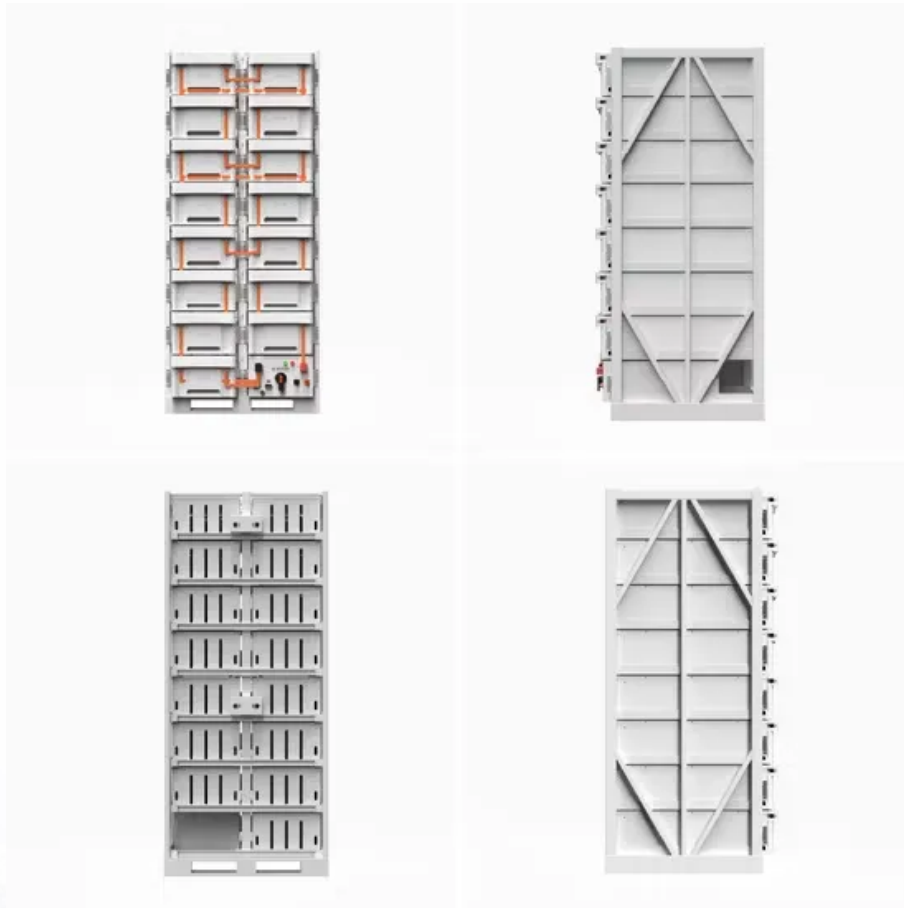


# Chile's energy storage and renewable energy electricity costs



## Overview

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A full coal phase-out by 2040 will drive decarbonization but impact prices. Battery storage and grid expansion, including the Kimal-Lo Aguirre line, will enhance stability and reduce price disparities, ensuring a resilient energy future. Stay informed on Chile's evolving . Chile's electrical energy sector is divided into three components: generation, transmission, and distribution. These goals are not merely aspirational but represent a strategic imperative for a country seeking to leverage its natural advantages, namely its unique geography that . Chile is rapidly moving to build more power generation capacity, with much of that effort focused on renewable energy resources and battery energy storage systems (BESS). The country as part of that ambition has a goal of producing at least 70% of its electricity from renewable energy by the end of . Fitch Ratings-Sao Paulo/New York-01 April 2025: Project finance transactions in Chile are expected to increase due to the recent commissioning of large battery energy storage systems (BESS), Fitch Ratings says. , solar and wind) have near-zero marginal cost; are dispatched first. In 2023, the region generated 64% of its electricity from clean sources, far above the global average of 39%. As production continues to ramp up, the need to store this energy is increasing alongside it.

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### Chile , Aurora Energy Research

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### [PPA Tracker: Chile's 2025 PPA Landscape Strengthens Its Position](#)

Storage is being recognised as an independent revenue stream ("power + energy") under new power sufficiency regulation, decoupling it from pure generation. These structural changes aim



### Chile Energy Profile - Analysis

The map displays the resources and energy infrastructure of the region as of 2022. Data is available for mining, electricity generation capacity, natural gas and oil infrastructure, as well as the

### Chile Energy

There are three approaches to energy storage available in Chile including Carnot Battery (thermal energy storage), battery energy storage systems (BESS), and liquid air energy storage



### [An analysis of renewable energy resources and options for the energy](#)

This study analyses renewable energy resources,



### [Chile Focuses on Solar and Storage as Generation Capacity Expands](#)

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infrastructure, and practical options to accelerate the energy transition and unlock Chile's potential as an exporter of renewable energy and



### **How Energy Storage is Powering Chile's Sustainable Future**

With a historically fossil fuel-dependent economy, Chile has set forth one of the world's most aggressive clean energy agendas. The country aims to convert 70% of its total energy consumption to

### **Powering Change: Chile's Energy Transition**

Given Chile's decarbonization goals and projected growth in electricity demand, designing effective policies to support the expansion of renewable energy remains a central challenge in the years ahead.



### [Chilean Battery Energy Storage Systems Stabilize Energy Supply.](#)

Chile has an operational installed capacity of approximately 1GW in batteries, and another 3GW is under construction. Battery storage has been largely financed by bank lending in recent

## **Energy storage is a challenge and an opportunity for Chile**

Battery costs have fallen by 90% in the last 15 years, and the cost of utility-scale storage projects is projected to fall by 40% by 2030, according to a recent International Energy Agency report.



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