

# Energy storage for load shifting chile



## Overview

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Chile will need new renewable energy storage systems to replace its current backup capacity of coal-fired plants and natural gas-powered combined cycle turbines and improve the reliability of the country's electric grid as it pursues new renewable energy generation. Chile has emerged as a world leader in hybrid systems and standalone energy storage since implementing its Renewable Energy Storage and Electromobility Act in 2022. Ensuring projects are paid for injecting power into the grid during peak periods has supported growth, and ambitious battery energy. Against that backdrop, Grupo Ibereólica Renovables' decision to advance 1,330 MW of battery energy storage systems across its Chilean portfolio signals how developers are recalibrating project economics toward firmed renewable output rather than headline megawatts. Chile is leading the way in Latin America and has more projects in the pipeline, but hurdles remain Chilean president Gabriel Boric (centre) at the inauguration of an energy storage plant in the northern region of Antofagasta in April. Chile's renewable energy sector is facing significant operational challenges as the curtailment of solar photovoltaic (PV) and wind generation surpassed 6TWh in 2025, marking an ongoing increase in unused clean energy capacity. This issue highlights the growing tension between renewable generation.

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### Chile makes progress on energy storage with 20+ approved projects

The technological diversity of energy storage projects in Chile is remarkable. From battery storage systems to innovative projects with gases such as CO2, the country is exploring different solutions to ...

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## Chile GES2024

Battery storage and flexible gas generation are expected to play a crucial role in facilitating the transition. The importance of having enough energy storage capacity is clear from the rising amounts of ...

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

Through the deployment of cutting edge battery storage technology, Fluence is not only addressing the technical challenges of Chile's energy transition but also contributing to the nation's broader ...

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

As renewables scale up, the need to store energy is increasing. Chile is leading the way in Latin America and has more projects planned, but hurdles remain

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## Chile Focuses on Solar and Storage as Generation Capacity Expands

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).

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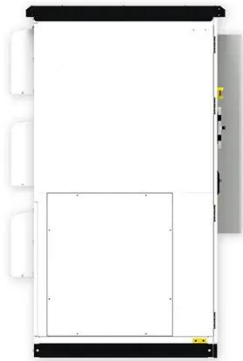
## Chile's Storage-Led Grid Shift Accelerates as Grupo Ibereólica ...

As Chile continues to retire coal and rely more heavily on variable renewables, duration is becoming as critical as power rating, particularly in regions distant from demand centers.

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## BESS to help Chile reduce its soaring renewable curtailment



The two-day event kicked off today (15 October) in Santiago, Chile, bringing together energy storage technology suppliers, policymakers, advisors, developers and operators active in the ...

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## Chile moves on storage to 'decarbonize the night'

Solar and energy storage deployment is booming in Chile, spurred on by supportive government policy that has been markedly stable for 15 years. Indeed, the nation leads Latin ...

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## Chile Energy Storage

Chile will need new renewable energy storage systems to replace its current backup capacity of coal-fired plants and natural gas-powered combined cycle turbines and improve the ...

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## Energy Storage Fleet Mitigates Renewable Curtailment in Chile's 2025

Looking ahead, the scaling of Chile's energy storage infrastructure remains

essential to meeting future renewable integration targets, especially as the country aims to increase the share of ...

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