

# Chile Wind and Solar Storage





## Overview

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Why is Chile pursuing energy storage in Antofagasta?

Chilean president Gabriel Boric (centre) at the inauguration of an energy storage plant in the northern region of Antofagasta in April 2024. Chile has strong conditions for wind and solar energy, and is pursuing storage to help overcome intermittent supply (Image: Ximena Navarro / Dirección de Prensa, Presidencia de la República de Chile).

How long does energy storage take in Chile?

According to a LinkedIn post by energy consultancy company Blend Energy, the average time of the 3GW portfolio of energy storage is 3.9 hours. On a more positive note, Chile has seen a significant increase in renewables investment with a 231% increase year-over-year.

Can energy storage help solve a curtailment problem in Chile?

Energy storage, which has become a necessity in Chile for a solar PV project to be financially viable, could help solve the issue of curtailment in the coming years. In 2024, there were 3GW of energy storage capacity operational, in testing or in construction, with 19GW in different stages of evaluation.

Does Chile have more solar PV capacity than generation added in 2024?

Year on year, Chile has seen more solar PV capacity curtailed (2.7TWh) than generation added (2.3TWh) in 2024. Image: ACERA. Chile has curtailed a record 5,909GWh of solar PV and wind power in 2024, up 121% from the previous year, according to trade body, the Chilean renewable energy and energy storage association (ACERA).



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Chile: Big renewables-plus-storage project ...

Sep 3, 2025 · The company said the project, located in the Antofagasta region of Chile, is the largest in its history, comprising a cumulative ...

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Chile: BESS as an answer to solar curtailment, ...

Jan 27, 2025 · Energy storage can mitigate constraints that have prevented Chile from maximising the potential of its world-class solar resources.

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How Energy Storage is Powering Chile's Sustainable Future

Oct 15, 2024 · The Opportunity and Challenge Chile possesses some of the world's best conditions for solar power generation, particularly in the Atacama Desert, which experiences ...

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Copenhagen Infrastructure Partners plans ...

Aug 13, 2025 · Danish developer Copenhagen Infrastructure Partners (CIP) has submitted its Llanura Solar project for environmental review in Chile's ...

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Chile, 17 Hours of Storage With Concentrated ...

Dec 25, 2023 · Today 35.4% of the energy generated in Chile is from wind energy and solar power, and 37.2% comes from water sources in the ...

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Chile Faces Rising Solar and Wind Energy Curtailment ...

Oct 16, 2025 · The curtailment of solar and wind energy in Chile reached 3.2 terawatt-hours (TWh) by August 2025, as reported by Ana Lía Rojas, executive director of the Chilean ...

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Chile Energy Storage

May 3, 2022 · Chile has the potential to run exclusively on renewable generation, with an estimated energy mix of 46% solar, 31% wind, 12% hydroelectric, and 8% flexible natural gas ...

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In numbers: Solar and battery storage ...

Apr 29, 2025 · Ongoing investments in battery storage systems will also pave the way for new wind and solar plants. In Chile's north, Spanish company ...

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AES begins work on 560MWh 'largest battery ...

Oct 19, 2020 · AES Gener has held a virtual groundbreaking ceremony to mark the start of construction on a 112MW / 560MWh battery energy ...

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Solar, wind and storage to drive Chile's ...

Dec 9, 2019 · Renewables will supply 93% of electricity in Chile in 2050, and up to 98% if the country goes through its planned coal phase-out, ...

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Chile curtailed 6TWh of solar PV and wind ...

Jan 13, 2025 · Chile has curtailed a record 5,909GWh of solar PV and wind power in 2024, up 121% from the previous year, according to trade body, ...

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Chile Already Halfway to 2 GW Energy Storage Target

Apr 29, 2025 · A Ministry of Energy spokesperson stated: "These projects demonstrate Chile's leadership in integrating advanced storage solutions to support renewable energy." Most of ...

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Chile curtails record 653 GWh of renewable ...

Feb 26, 2025 · Curtailment of non-conventional renewables in Chile, primarily solar and wind power, reached a record 653 GWh in January 2025, ...

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Energy storage is a challenge and an ...

Aug 15, 2024 · Chilean president Gabriel Boric (centre) at the inauguration of an energy storage plant in the northern region of Antofagasta in April ...

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An analysis of renewable energy resources and options for ...

Mar 1, 2025 · This study analyses renewable energy resources, infrastructure, and practical options to accelerate the energy transition and unlock Chile's potential as an exporter of ...

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Chile energy storage: Impressive 2027 Goal Achieved

Oct 26, 2025 · The strategy focuses on developing production in areas with abundant renewable resources, leveraging the same solar and wind power that is driving the storage boom.

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Chile curtailed 6TWh of solar PV and wind power in 2024

Jan 13, 2025 · Chile has curtailed a record 5,909GWh of solar PV and wind power in 2024, up 121% from the previous year, according to trade body, the Chilean renewable energy and ...

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Chile moves on storage to 'decarbonize the night'

Sep 4, 2025 · 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 Focuses on Solar and Storage as ...

Jul 1, 2025 · Chile's current energy mix includes solar power, wind power, and hydropower, which all have more than a 20% share of annual ...

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Energy storage is a challenge and an opportunity for Chile

Aug 15, 2024 · Chilean president Gabriel Boric (centre) at the inauguration of an energy storage plant in the northern region of Antofagasta in April 2024. Chile has strong conditions for wind ...

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In numbers: Solar and battery storage powerhouse Chile sets ...

Apr 29, 2025 · Ongoing investments in battery storage systems will also pave the way for new wind and solar plants. In Chile's north, Spanish company Grenergy Renovables is developing ...

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Chile Focuses on Solar and Storage as Generation Capacity ...

Jul 1, 2025 · Chile's current energy mix includes solar power, wind power, and hydropower, which all have more than a 20% share of annual generation.

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