

Chile develops new energy storage





Overview

In March 2024, BESS Coya, the largest battery-based energy storage system in Latin America, started operations. The facility is located in the Antofagasta region and has a storage capacity of 638 MWh, with 139 MW of installed capacity. Will Chile be able to develop energy storage projects in 2024?

In 2022, Chile passed an energy storage and electromobility bill, which made stand-alone storage projects profitable, but the market is still expecting new rules on capacity payment for storage projects, which are to be approved in 2024. Chile has also put in place an auction procedure to award public land for the development of BESS projects.

How many energy storage projects are in Chile?

Currently, 36 of the 129 large-scale projects Latin America projects with an energy storage component under development are in Chile, including 32 out of 71 of the region's early works projects. The storage technologies either in use or being considered include:

Where are Chile's battery energy storage facilities located?

Chile's first battery energy storage projects were commissioned in 2009, and all but two of its 16 administrative regions have facilities in operation, under construction or in the planning stage. The greatest installed capacity is found in the northern regions of Antofagasta and Tarapacá, the country's solar powerhouses.

How can Chile keep up with the changing energy demand landscape?

Chile is exploring a variety of solutions to keep abreast of the changing energy demand landscape ranging from BESS to innovative projects using CO₂. In March 2024, BESS Coya, the largest battery-based energy storage system in Latin America, started operations.

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).

Will Chile support the energy transition?

A spokesperson for Engie Group told Dialogue Earth that Chile is seen as one of its strategic countries for supporting the energy transition, which “entails the investment of USD 1.8 billion by 2027. Our plan in Chile considers incorporating 1.4 GW to reach 2 GW of installed capacity in clean energy, including 2 GWh in storage systems”.



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[Energy storage is a challenge and an opportunity for Chile](#)

Chile's first battery energy storage projects were commissioned in 2009, and all but two of its 16 administrative regions have facilities in operation, under construction or in the ...

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Trina Storage Sends GWh-Scale Project to Chile for Energy ...

Trina Storage has shipped the first 1.2GWh batch of its self-developed Elementa 2 BESS to Chile, marking its largest overseas standalone energy storage project and ushering in ...

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Will Chile become the second-largest new energy storage market ...

A hydrogen energy storage project is under planning, developed by HIF Chile in the Magellan-Chile Antarctic Region. By the end of 2023, Chile is expected to have a total of 1 ...

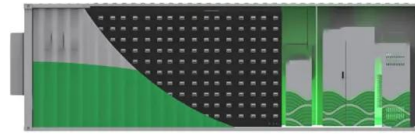
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EDF Chile and UAI launch research project on Long Duration Energy

The initiative aims to accelerate the transition to a 100% renewable electricity system in Chile by addressing the technical, economic, and regulatory challenges of long ...



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[CIP begins construction of Arena BESS in Chile](#)

Located in Phoenix, Arizona, the project commenced construction in early 2024 and is anticipated to begin commercial operations by mid-2025. REGlobal's Views: Chile has ...

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[Greenergy Signs a New Agreement With BYD Energy Storage](#)

Through this new partnership, BYD Energy Storage will supply Greenergy with a total of 6,240 units of its MC Cube-T model--equivalent to 624 containers--that will be used to ...

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Energy Storage

Energy storage is a "force multiplier" for carbon-free energy. It allows for the integration of more solar, wind and distributed energy resources, and increases the capacity factor of existing ...

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[METLEN Powers Chile: Solar Power and Energy Storage Growth](#)

At TTF Power Systems, we support the development and expansion of solar power and battery energy storage systems in Chile. We are a one-stop shop for utility pole hardware ...

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[Chile seeks multi-gigawatts of large-scale storage for ...](#)

The government of Chile will launch a bill this year to procure large-scale energy storage systems for commissioning in 2026 totalling US\$2 billion ...

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NEC's 2MW project marks first step into energy storage business ...

NEC Chile's head of business development for smart energy in Latin America, Herwig Ragossnig, said he hoped this would be the "first step for a long lasting cooperation for ...

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[Chile accelerates battery storage with 5 GW planned by 2030](#)

Chile plans to deploy five gigawatts of battery storage capacity by 2030, together with the commissioning of the 3 GW Kimal-Lo Aguirre high-voltage direct current transmission ...

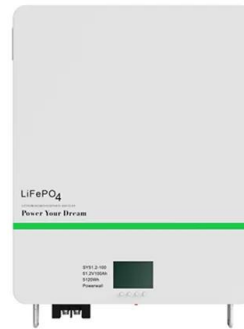
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[Chile moves on storage to 'decarbonize the night'](#)

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. ...

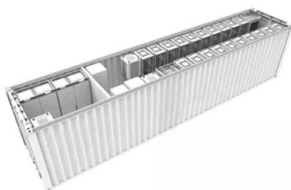
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Chile makes progress on energy storage with 20+ approved projects

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 ...

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[Chile Energy Storage Industry Holds Promise, EMIS](#)

In March 2024, Atlas Renewable Energy announced it has signed a power purchase agreement (PPA) with Chilean mining giant Codelco for the supply of 375 GWh of energy per ...

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Zelesastra reaches financial close for hybrid 1GWh BESS and solar ...

The BESS units are expected to be delivered in the fourth quarter of 2025. This project is one of many solar-plus-storage projects currently being developed in Chile, which ...

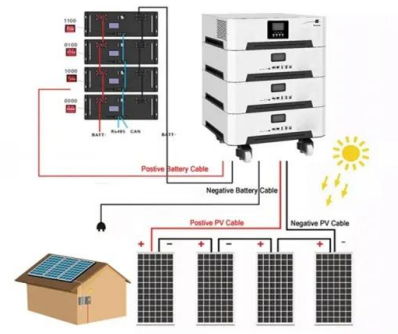
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Chile seeks multi-gigawatts of large-scale storage for 2026-2028

The government of Chile will launch a bill this year to procure large-scale energy storage systems for commissioning in 2026 totalling US\$2 billion of investment, on top of ...

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Chile inaugurates its largest standalone battery energy storage ...

Developer Atlas Renewable Energy has inaugurated the 800 MWh battery energy storage system (BESS) plant in María Elena commune, in the Antofagasta region.

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