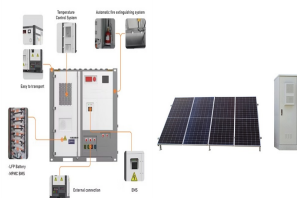


# CHILE ENERGY STORAGE PROJECT BIDDING



The Energy Storage Summit Latin America just took place in Santiago, gathering over 250 industry experts to address the latest challenges, trends, and opportunities in energy storage across the region. As the largest emerging energy storage market in the Americas, with 1.3GW of operational projects and 6.4GW in development, Chile provided an ideal setting.



According to its Strategic Plan 2023-2026, the IPP will commit US\$2.6 billion to these expansions, with US\$1.5 billion allocated to solar PV and US\$800 million to energy storage. Of its three major operational markets ??? the US, Europe and Latin America ??? Grenergy highlighted Chile as a fulcrum for leveraging up its solar and storage businesses.



Grenergy plans to invest up to USD 1.4 billion in the Oasis de Atacama project to install close to 1 GW of solar plants and 4.1 GWh of battery energy storage systems (BESS). The first two of the four phases correspond to 220 MWp of solar and 1.24 GWh of BESS. Grenergy expects to connect the first phase by the end of 2024.



The Chilean government is today closing a bidding auction process for public land for standalone energy storage projects totalling 13GWh of projects, as covered by Energy-Storage.news. BESS are being added to solar PV projects in Chile in order to reduce curtailment and negative prices due to over-production, while standalone projects are being



The largest project of its kind in Latin America to date, it will be Chile's first large-scale solar-plus-storage project with the batteries will be paired with 253MW of renewable energy generation, including nearby wind power capacity. This story first appeared on PV Tech.

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The planned energy storage projects will be located in various sites in northern Chile, where most solar and renewable energy power plants are situated, requiring a total investment of \$2 billion



With 29 companies submitting bids, the tender was eight times oversubscribed, according to Chile's National Energy Commission (CNE), with the lowest bid coming in at US\$13.32/MWh.



The renewables arm of multinational energy firm Enel has started work on a project combining wind turbines and a 34MW battery energy storage system (BESS) in Chile. Enel Green Power Chile is investing US\$190 million in the project which pairs 22 wind turbines of 4.8MW each, totalling 105.6MW of power, and a 34.3MW lithium-ion BESS.



In November 2023, Grenergy unveiled its 2023-2026 plan and highlighted its 4.1GWh BESS with a 1GW solar project in Chile (Energy Storage News, 2023). Global players are also expanding their footprint in Chile, with Engie's 337MW wind farm with 291.2MW of BESS, EDF Renewables' 416MW wind, 198MW solar and a battery storage system, Stakraft



The Chilean government has approved a resolution to allocate public land for energy storage projects that will start operations in 2026. Solar-leader Chile has got 61% of its power from

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See recent Energy-Storage.news coverage of the Chile market here, including Greenergy securing financing for the first two phases of what it claims is the largest BESS project in the world, a large-scale commissioning by another IPP Innergex, and the government opening up land bidding for 13GWh of storage projects. Energy-Storage.news



Another, AES, completed a 112MW project in July, which was also co-located with solar PV. The government of Chile is also looking to incentivise the deployment of large-scale energy storage through a series of auctions for projects to be delivered between 2026 and 2028, unlike the capacity market, which is not operated via auctions in Chile.



Domestic and international companies will be able to participate and bid for contracts to supply power from January 2027 to December 2041, CNE said. according to figures from the Chilean Association of Renewable Energy and Storage (ACERA). Chile is targeting a share of 60% of renewables in power generation by 2035 and 70% by 2050



It currently has 85 energy storage projects, totaling 6.4 GW, in various stages of development. energy storage projects in Chile made their debut in 2009 and only amounted to around 300 MW by



Since Chile passed a major energy storage bill, gigawatts of energy storage co-located with solar PV are being built in the country. Earlier this year the country opened a public land bidding auction seeking 13GWh of standalone energy storage projects across four regions ??? Arica and Parinacota, Tarapaca, Antofagasta and Atacama. The last grid

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An aerial view of the 230MW PV, 32MWh energy storage project in the Atacama desert. Image: Colb?n S.A. Utility Colb?n has inaugurated a solar-plus-storage project with a 32MWh battery energy storage system in the Atacama region, the first of an 800MW deployment target. The Diego de Almagro project is a 330-hectare site comprising 470,000 ???



The Chilean Ministry of Energy projects that battery costs to decrease by 20 percent. Three greater than 100 MW renewable energy projects are under development and will have a lithium-ion battery storage component. As of November 2021, the Coordinador El?ctrico Nacional (CEN), Chile's electric grid coordinator, reports that 50 renewable energy



The Chilean energy commission (CNE) on Monday released the definitive bidding rules for the 2023 electricity tender, launching the process to award a total of 5,400 GWh per year. The tender is open to domestic and ???



Chile's energy storage incentives have already borne fruit. At present, there are 85 energy storage projects in various stages of development nationwide, with a total capacity of 6.4 GW. Just this summer, \$2 billion was allocated for large-scale storage auctions, and twelve projects with a combined capacity of approximately 1.3 GW are



The project, which was revealed by Grenergy in November 2023, will pair 1GW of solar PV with 4.1GWh of energy storage, which the company said makes it the largest energy storage projects in the world. "The agreement with a leading company like BYD demonstrates our firm commitment to energy storage and represents a major step forward in securing the supply ???

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Renewable energy developer Ameresco and EPC contractor Sunel Group will together bid on 1.5GWp of solar and energy storage projects across Europe. The firms have established Ameresco Sunel Energy to bid on engineering, procurement, and construction (EPC) projects in the UK, Greece, Italy, Spain and Romania.



Over a gigawatt of bids from battery storage project developers have been successful in the first-ever competitive auctions for low-carbon energy capacity held in Japan. A total 1.67GW of projects won contracts, including 32 battery energy storage system (BESS) totalling 1.1GW and three pumped hydro energy storage (PHES) projects totalling 577MW.



The Chilean Ministry of National Assets initiated a bidding process for leasing public land in northern Chile for standalone energy storage projects. Six sites across Tarapaca, Antofagasta, and Atacama regions are available, along with specific substations at each site. Source: Renewables Now