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SANTIAGO, Chile, Dec. 13, 2022 /PRNewswire/ -- Sungrow, the global leading inverter and energy storage system supplier, forged a contract with ENGIE to supply 638 MWh of its DC-coupled liquid cooled energy storage system (ESS) solution to Chile. As one of the largest of its kind in Latin America and one of the world's largest DC-coupled solar-plus-storage plants, the project will increase the reliability and flexibility of the Chilean National Electric System and provide maximum profitability for stakeholders.

The project, called BESS Coya, will be located within the 181.25MWac Coya Solar PV Plant in the Mar?a Elena district of the Antofagasta Region. Construction is scheduled to begin in December 2022 and it is expected that 100% of the batteries will be commissioned by the first trimester of 2024.

The BESS Coya will store the renewable energy from the Coya solar plant and will allow this energy to be supplied for five hours every day, which translates into a delivery of 200 GWh on average per year. This will also allow around 100,000 homes to be supplied with clean energy. It will avoid emissions totalling 65,642 tonnes of CO₂ per year, which is equivalent to removing around 22,000 internal combustion vehicles from circulation.

Chile has ambitious climate targets. 70% of the country's electricity will come from renewable sources by 2030. Solar-plus-storage solutions are becoming the long-term and sustainable trend in ensuring the reliability of the power grid. The Coya solar plant, which was fully energized on October 28, 2022, is a contributor to renewable energy proportion, which is equipped with Sungrow's inverter solutions.

"ENGIE continues to advance in our decarbonization plan. The construction of the BESS Coya will allow us to deliver clean solar energy to the network during the night, increasing the flexibility of the dispatch of the Solar Plants to the National Electric System, making it more efficient and bringing more security," explained Rosaline Corinthien, CEO of ENGIE Chile.

"We are proud to partner with ENGIE to offer our advanced liquid-cooled energy storage system, the PowerTitan, which makes it easier for our customers to store energy in a more efficient and long-lasting way. We appreciate the continued trust of ENGIE to deliver the fourth Chilean project. As an early entrant in the Chilean solar and storage market, Sungrow offers competitive products and services backed by a dedicated local team including sales, technical support, and after-sale services," stated Ada Li, Head of Sungrow Latin America.

Sungrow drives technical innovations and continues introducing a competitive product portfolio. Its liquid cooled ESS solutions are embedded with high profitability and high safety, which are in high demand in the market. So far, Sungrow already signed gigawatt hours of orders with its liquid cooled ESS globally.

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