

Energy storage policy updates praia

Aneel has approved the opening of a public consultation to discuss alternative regulatory solutions for the integration of storage systems in the Brazilian electricity sector.

The proposal aims to advance the regulatory process to allow the integration of storage systems, including pumped storage plants, as a tool to support the sustainable energy transition.

Aneel will implement the provisions in three phases. Phase one (2022-23) focuses on defining storage resources and services, including addressing access, regulatory adjustments, and eliminating barriers, lasting 18 months. Phase two (2023-24) deals with pumped hydro storage specifics and regulatory sandboxes for revenue stacking, also lasting 18 months.

In the last cycle (2024-25), Aneel will explore complex topics, including the creation of aggregators, computational model simulations, new business models for curtailment mitigation and revenue stacking. This 18-month phase aims to facilitate the integration of new storage solutions into the Brazilian electricity sector, with five specific objectives supported by eight normative and five non-normative solutions.

The Public Consultation will receive contributions from 10/19 to 12/18/23, through an electronic form, on the Forms platform, which will be made available in Public Consultation No. 039/2023 at this link.

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The conditions are in place for the country's battery energy storage market to expand at a compound annual growth rate (CAGR) of 20% to 30%, as Holu Solar's Sophia Costa explained.

Brazilian energy suppliers raised the red flag in September 2024, signaling a rise in electricity costs as thermal power stations were fired up to cover a fall in hydroelectric output because of water shortages.

With global battery prices having fallen 85% between 2010 and 2018 - and further since - Brazilian home, business, and industrial electricity users are considering energy storage systems increasingly attractive.

Holu"s Costa observed batteries were prominent during the Intersolar South America trade show held in S?o Paulo at the end of August 2024. She added, hundreds of manufacturers are bringing energy storage products to Brazil.

The Brazilian electricity market is changing as the country expands the generation of weather-dependent renewable energy based on wind and solar power. At the same time, electricity consumption is set to increase significantly in the coming years. As electricity generated using hydroelectric power has been increasingly impacted by periods of drought, new projects are now being implemented to supplement it. Nevertheless, isolated regions in the north of the country still rely entirely on diesel or gas to generate electricity.

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