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Italian energy storage power supply procurement



Overview

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The Electricity Storage Capacity Procurement Mechanism (in Italian "Meccanismo di Approvvigionamento di Capacità di Stoccaggio Elettrico": MACSE) is a regulatory initiative aimed at fostering the growth of electricity storage capacity in Italy. This growth is crucial to accommodate the increasing.

Legislative Decree 210/21 introduced a new mechanism for the procurement of electricity storage capacity ("MACSE"), developed with the aim of integrating renewable energy sources with an efficient level of overgeneration (i.e., when electricity production exceeds demand), based on planned grid.

Analyses conducted by the National Manager of the Grid - Terna show that, by 2030, it will be necessary to develop in Italy about 71 GWh of utility-scale storage capacity, in addition to distributed storage essentially associated with solar plants small-scale and storage already awarded with.

The appropriate minister has signed into law a decree which will allow electricity transmission system operator (TSO) Terna to stage procurement exercises, possibly as early as the first half of 2025. From ESS News Italian

Minister of the Environment and Energy Security, Gilberto Pichetto, has.

ed by transmission system operator Terna showed. These include nearly 37.6 GW of existing capacity, around 233 MW of new capacity with a two-hour storage duration at two sites. One project will be located at the company's Fiume Santo coal-fired power plant. The other is for the provision of energy storage. Why is Italy focusing on advanced storage technology?

In the broader EU landscape, where there's a collective push for 42.5% renewables in energy consumption by 2030, Italy's focus on advanced storage tech sets them apart from EU neighbours still heavily invested in traditional grid upgrades.

Will Italy deploy more storage capacity in 2024?

Italy is forecast to deploy more storage capacity than any other European nation in 2024 – the European Commission has approved €17.7bn of storage funding under 'state aid' rules, while the MACSE storage procurement mechanism is expected to be the catalyst for a storage surge in 2025.

What is the electricity storage capacity procurement mechanism (MACSE)?

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Is Italy stepping into a new energy era?

Italy is stepping into a new energy era with the MACSE auction in early 2025. Underpinning MACSE, or Meccanismo di Assegnazione Centralizzata per la Sostenibilità Energetica, is an ambitious plan to boost renewable energy integration and support up to 50GWh of energy storage by 2030 – a move to ensure Italy's energy security and sustainability.

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