



# red eléctrica

Press release

## Improving data platforms

### Red Eléctrica expands information on the electricity system to adapt it to the ecological transition

The company is including information on the gradual incorporation of storage as a key vector of the electricity system, in accordance with the NECP.

A new data block for pumped and battery storage has been added to Red Eléctrica's platforms, making Spain a pioneer in the visualisation and analysis of this vector.

As a result, the company has adapted the generation data block and has updated its figures. The share of renewable energy produced in 2024 increased from 55.8% to 56.8%.

Madrid, 27 January 2025

Red Eléctrica, the Redeia subsidiary responsible for electricity transmission and operation of the Spanish electricity system, continues optimising electricity system data to adapt it to advancements in Spain's ecological transition. Therefore, in line with its commitment to provide increasingly better information on the electricity system to society, it has improved the information available on its platforms to incorporate the increasing push for storage as a key vector in this great energy transition.

Red Eléctrica is evolving in line with this process of change and is incorporating a **new data block** for pumped and battery storage into its information platforms. In this way, it differentiates between the energy it produces in the electricity system ('Generation') and that which is stored and later returned to the system ('Storage').

As a result, it is adapting the **generation data block**. The delivery of previously stored energy (pumped turbine capacity) is no longer considered as electricity generation, but as storage instead. This has a significant impact on the electricity system, which has updated its figures. For example, the annual share of **renewable generation** in Spain in 2024 increased from 55.8% to 56.8% at year-end.

The 'Storage' information that the company incorporates includes records primarily related to installed power, instantaneous power, and stored energy (withdrawn and subsequently delivered back into the system) through:

- **Hydraulic pumping- either pure or mixed-**: installations that have two reservoirs at different heights in which the water's potential energy is stored.



- **Batteries:** storage based on electrochemical technology, which is being incorporated into the various Red Eléctrica data platforms for the first time.

This allows users to view the amount of power in MW that can be stored by each of these technologies (**'installed power'**), instantaneous use of each of them, and the amount of energy in MWh withdrawn and delivered for later use (**'energy'**).

The information can be viewed across its different web platforms and on its 'redOS' app for mobile devices with records related to electricity systems and regions. The impact of this is also demonstrated through the ability to view real-time data on demand and production.

Red Eléctrica's application of this new indicator classification criteria makes Spain one of the leaders in Europe in terms of visualisation and analysis of storage development. This vector is one of the pillars of the National Integrated Energy and Climate Plan (Spanish PNIEC) and a strategic tool, providing the entire electricity system with greater flexibility and efficiency, and maximising renewable energy use in Spain.