

When is low demand recorded on the Italian electricity grid?

recorded on the Italian electricity grid in every week of 2019. The diagrams clearly show low demand values during the E n Feb ar Apr May Ju 018 Co ff. Capacity 01980 60%40%20%Aug Sep Oct Nov ec 0% Coeff. Capacity

Why did Terna reorganize the electricity market zones in Italy?

Terna, the first in Europe, has completed the reorganisation of the market areas into which Italy is divided. Here are the reasons, of security and efficiency, that are at the origin of this complex process. The map of the electricity market zones in Italy has changed.

What are the key operators in Italy?

Key operators include Terna SpA, Enel SpA, Acea SpA, A2A SpA, Iren SpA, Snam SpA, Italgas, 2i Rete Gas, and Hera SpA (see table 3). Terna is a monopolistic operator in Italy's electricity transmission sector, with about 74,700 km of high-voltage lines (68,000 km of which are overhead).

How is electricity produced in Italy?

Electricity production in Italy still largely takes place using non-renewable sources (natural gas, coal and oil), although the development of renewable sources is constantly increasing: geothermal, hydroelectric, solar and wind energy. In order to meet Italian energy requirements, electricity also needs to be purchased from other countries.

What is the new 380 kV AC connection between Sicily and Calabria?

The new "Bolano-Annunziata" 380 kV AC connection between Sicily and Calabria, which will allow the exchange of electricity between the island and the continent to be increased to a total of 2,000 MW, benefiting the development of renewable sources planned in Southern Italy. For this project, Terna has planned to invest approximately EUR175 million.

Does the Italian framework have a high WACC level?

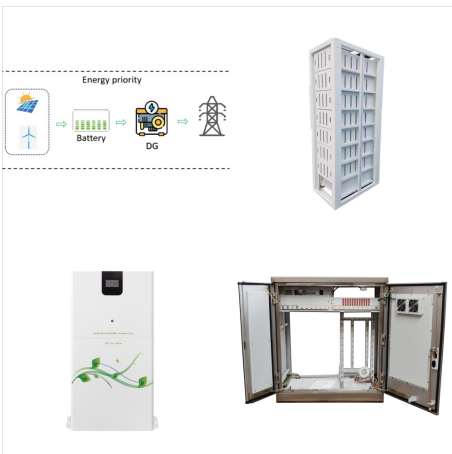
The Italian framework displays relatively high WACC levels compared with other jurisdictions. The WACC level remains high both in absolute terms and compared to that of European peers, with a retained cost of equity that is higher than the ones set recently in Spain, France, and the U.K. (see table 4).



Transmission revenues represent the most significant portion of regulated revenues and derive from the application of the transmission fee (CTR), invoiced by Terna to distributors connected to the Italian Transmission Grid.



Starting from 2018, when a process was launched for the gradual implementation of the solution identified by Terna, the zonal configuration has been streamlined, going from 10 market zones to seven: 4 production hubs have been eliminated (Priolo, Foggia, Brindisi and Rossano) thanks to the expansion of the transport capacity of the grid and



We invest and innovate every day in the development of an electricity grid capable of integrating the energy produced from renewable sources, improving links between the different areas of the country and strengthening cross-border interconnections, applying a sustainable approach that takes into account the needs of the communities and people



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We see Italy's regulatory framework for gas and electricity transmission and distribution system operators (TSOs and DSOs, respectively) as stable, supportive, and consistent with a strong regulatory advantage.



Terna exercises control over the Italian National Electricity System in "real time", ensuring that the dispatching of electricity is done according to pre-established standards for the security, economy, efficiency and



TERNA, operator of Italy's electricity transmission system, is set to open up a pilot scheme in which up to 230MW of aggregated nominal capacity including energy storage could supply frequency and voltage services to the grid.