

ContainerPower Energy Solutions

Italy s 5G base station market-based electricity price policy



Overview

What is the Italian 5G plan?

The Italy 5G Plan, with an allocation of EUR 2.02 billion aims to incentivise the deployment of 5G mobile networks in areas of market failure. The Italian Strategy for Ultra Broadband 2023-2026 was approved by the Interministerial Committee for Digital Transition (CITD) on 6 July 2023.

How will a PPA change in Italy's electricity market?

The shift from consumers paying the Prezzo Unico Nazionale (PUN) to paying zonal prices in Italy's electricity market will change the basis risk dynamics for PPAs, with both producers and offtakers needing to adapt to the new pricing structures.

How do zonal prices affect electricity prices in Italy?

The zonal prices will divide the country into seven electricity market regions and establish specific prices for each of them. Consequently, consumers in different regions may experience variations in electricity costs (Picture 1).
Picture 1 - Italian electricity market regions
Figure 1 - Historical regulatory development of PUN.

Will Italy fund 5G infrastructure in 2022?

The government will fund up to 90% of the cost of 5G infrastructure that targets the digital divide by expanding rural networks. The EU approved Italy's infrastructure plan in April of that year. In 2022, Inwit installed the same infrastructure in the new Milan metro line M4 for 4G and 5G connection to Vodafone and TIM users.

When will 5G be available in Italy?

In 2022, Inwit installed the same infrastructure in the new Milan metro line M4 for 4G and 5G connection to Vodafone and TIM users. In 2022, Vodafone Italy announced that its 5G Fixed Wireless Access (FWA) was available for 1.500

municipalities and the number shall have been expected to increase until 2,500 municipalities within March 2023.

What percentage of Italy's population is covered by 5G?

According to the latest estimates/data available, Italian operators (TIM, Vodafone, WindTre and Iliad) claimed to have achieved 90-95% population coverage with 5G services.

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